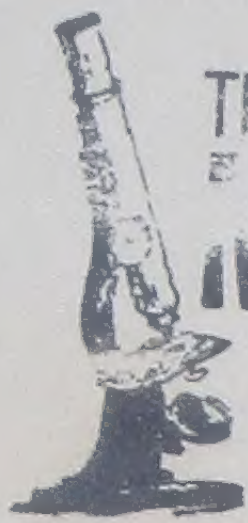


STANDARD SURGICAL INSTRUMENTS

THE J. F. HARTZ CO., Ltd.
TORONTO, ONT.



The

Property of

Medical Artifacts

Collection

Western University

Illustrated Catalogue
OF
Standard
Surgical Instruments
AND
Allied Lines

FOURTH EDITION

THE J. F. HARTZ CO., Ltd.
24-26 Hayter Street
TORONTO, ONT.



Introductory

In issuing this catalogue we are compelled by uncertain trade conditions to omit prices from the body matter and to add a separate, loose price list which may be changed from time to time to meet necessity. Prices cannot be made permanent at this time and must be changed, often without notice being given our customers.

The catalogue is to serve as a reference by which customers may make their wants known to us specifically so that we may be able to give intelligent and satisfactory service.

We find it impractical to include in one catalogue the large lines, such as hospital furniture, X-Ray apparatus, etc., but invite correspondence when such equipment is required and will send complete literature upon request.

THE J. F. HARTZ CO., Ltd.

Explanatory

We often experience difficulty in interpreting orders sent us without complete specifications. Much loss of time and expense are the result. For your benefit and ours we suggest that, when ordering you give the complete name, the number and size (if several sizes) of the item.

When no directions for the manner of shipment accompany an order we ship it by the means of transportation which seems best, in our judgment.

It is our aim to give the best possible service, and we solicit your continued patronage.

THE J. F. HARTZ CO., Ltd.

Section "A"



Dissecting and Post-Mortem Instruments

Diagnostic Instruments and Apparatus

Microscopes and Microscopic Accessories

Laboratory Apparatus and Glass Ware

Apparatus for Blood and Urine Analysis

Apparatus for Phlebotomy, Cupping and
Leeching

Apparatus for Infusion and Transfusion

Syringes for Aspiration and Injection

Osteological Preparations

STANDARD SURGICAL INSTRUMENTS



A-2



A-5



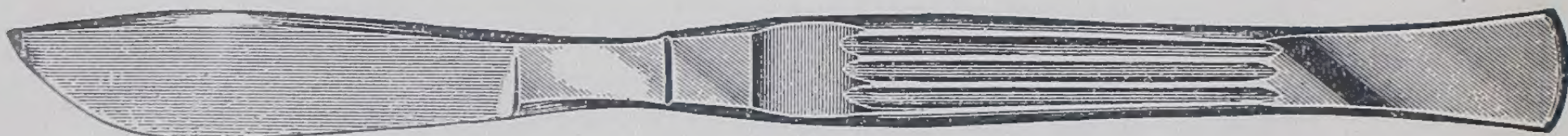
A-10



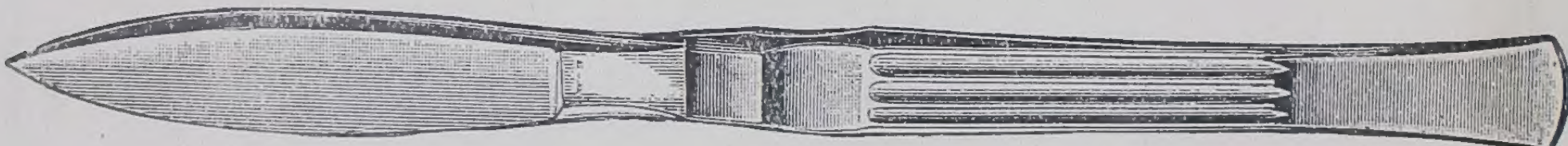
A-12



A-14



A-22



A-24

Dissecting and Post-Mortem Instruments
Dissecting Knives

- | | | | |
|-------|------------------------------------|-------|-------------------------------------|
| *A- 1 | Scalpels, ebony handle. | *A- 5 | Tenaculum, ebony handle. |
| A- 2 | Scalpels, all steel. | A- 7 | Tenaculum, all steel. |
| *A- 3 | Scalpels, all steel, fine quality. | *A- 9 | Tenaculum, all steel, fine quality. |

Cartilage Knives

- | | | | |
|------|--|-------|---------------------------------------|
| A-10 | Plain, all steel, serrated handle. | A-14 | English pattern, hollow metal handle. |
| A-12 | American pattern, hollow metal handle. | *A-16 | Virchow's, hollow metal handle. |

Post-Mortem Knives

- | | | | |
|-------|--|------|--|
| *A-18 | McCallum's, hollow metal handle. | A-22 | Virchow's, large bellied blade, hollow metal handle. |
| *A-20 | Virchow's, bellied blade, hollow metal handle. | A-24 | Virchow's, center point, hollow metal handle. |



A-35



A-32



A-50



A-55



A-57



A-62



A-64

Dissecting and Post Mortem Instruments

Blowpipes

- *A-30 Plain.
- A-32 Plain, with mouthpiece.

Brain Knives

- A-35 Virchow's, hollow metal handle, $6\frac{3}{8}$ in., $9\frac{1}{2}$ in.

Chisels

- *A-40 Plain, 3 widths.
- *A-42 Costotome.
- *A-45 Rachiotome.
- A-50 Von Brun's.

Gouges

- A-55 Plain.
- A-57 Von Brun's, 3 widths.

Forceps

- *A-60 Fine, broad points.
- A-62 Fine, narrow points.
- A-64 Plain, broad points.

Mallets

- *A-70 All steel, hooked handle.
- *A-72 Rawhide, wood handle.
- A-74 Morgan's, bronze, non-rebounding.
- *A-76 Virchow's.



A-74

STANDARD SURGICAL INSTRUMENTS



A-100



A-102



A-104



A-115-116



A-120



A-125



A-130

Dissecting and Post Mortem Instruments

Hooks

- *A- 80 Calvarian.
- *A- 82 Chain, triple.

Needles

- *A- 90 Straight, dissecting.
- *A- 91 Half curved, dissecting.
- *A- 92 Double curved, dissecting.

Probes

- A-100 Johns Hopkins' pattern.
- A-102 Seeker, double end.
- A-104 University of Chicago pattern.

Reamers

- *A-110 Post-mortem.

Saws

- A-115 Charriere's, 6-inch blade.
- A-116 Charriere's, 8-inch blade.

Scissors

- A-120 Scissors, fine quality, 4½-inch.
- A-125 Scissors, plain, 4½-inch.
- A-130 Scissors, heavy, 6-inch.

Contents of Dissecting Cases

- No. 1. Dissecting Case, contains: 1 scalpel, 1 tenaculum, 1 cartilage knife, 1 forceps, 1 scissors, 1 set chain hooks, 1 blowpipe.
- No. 2. Dissecting Case, contains same as No. 1 with 1 scalpel added.
- No. 3. Dissecting Case, contains same as No. 2 with 1 scalpel added.
- No. 4. Dissecting Case, contains same as No. 3 with 1 scalpel added.



A-150-152

Khaki Rolls, University

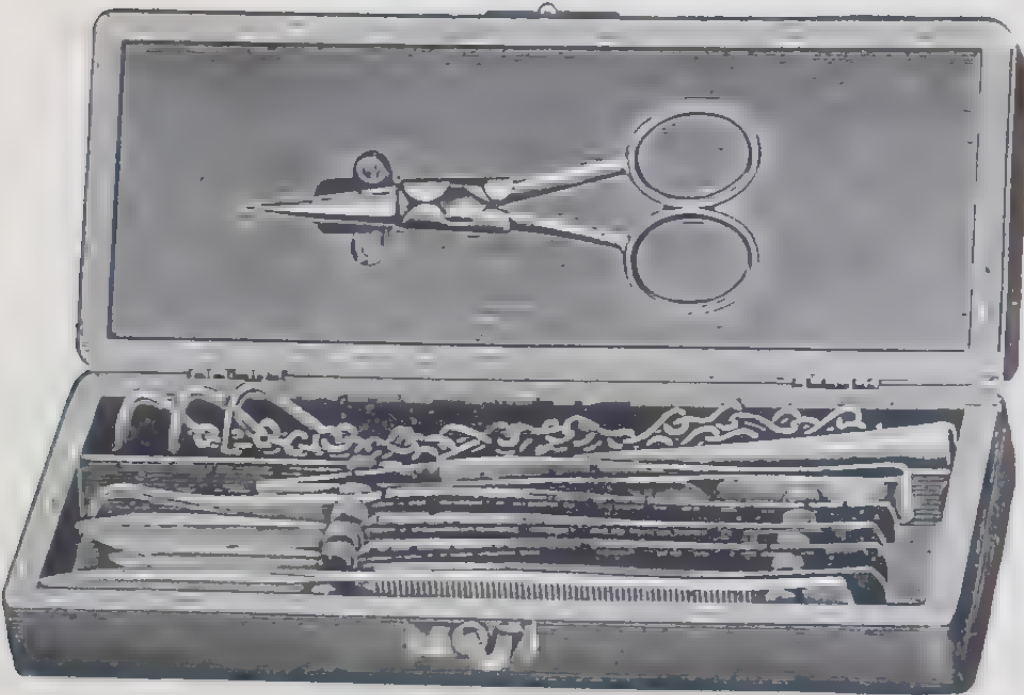
- A-150 No. 1. Case, with metal handle instruments.
- A-151 No. 2. Case, with metal handle instruments.
- A-152 No. 3. Case, with metal handle instruments.



A-170

Leatherette Case

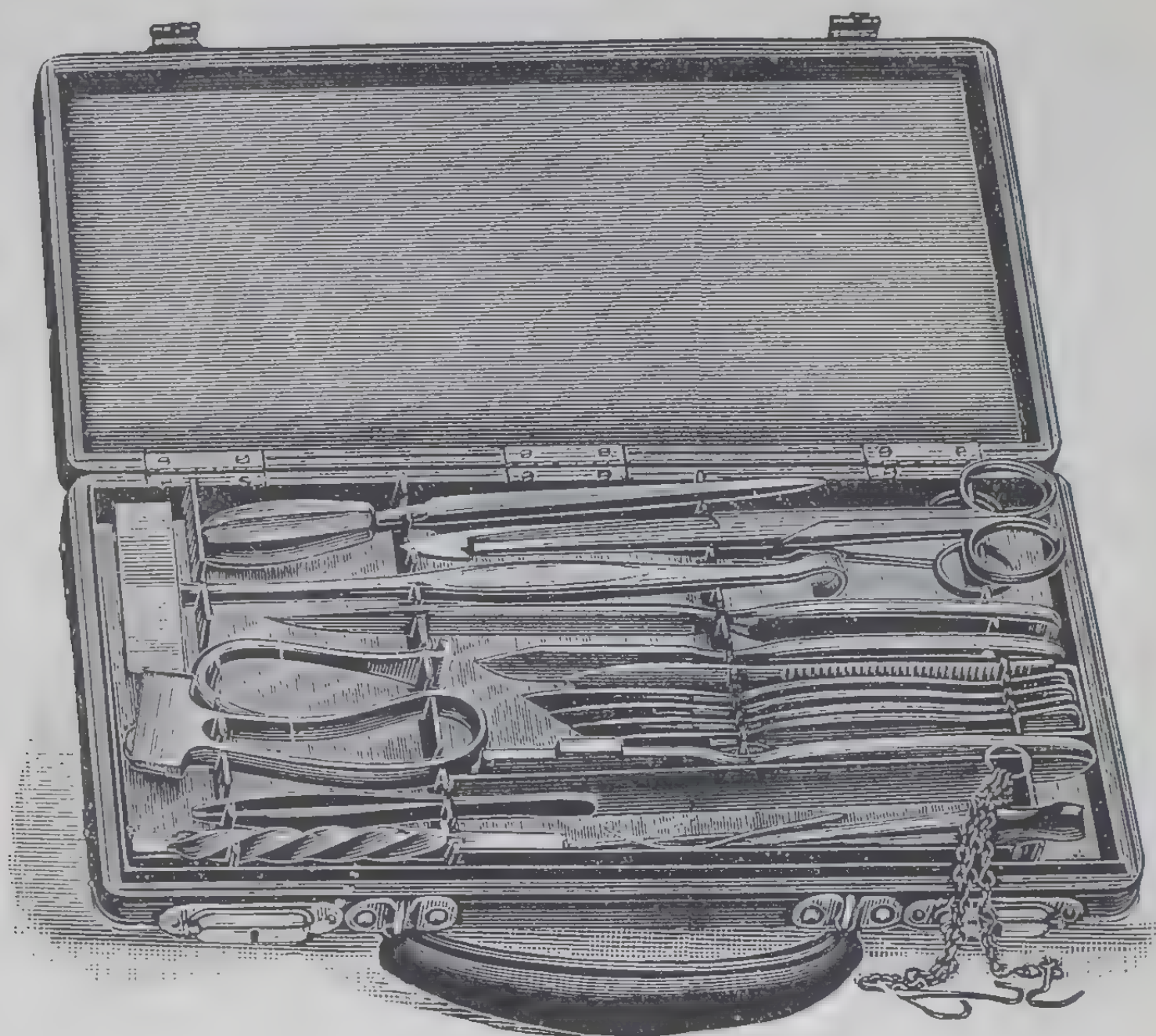
- A-170 No. 1. Case, with metal handle instruments.



A-180-203

Polished Wood Case

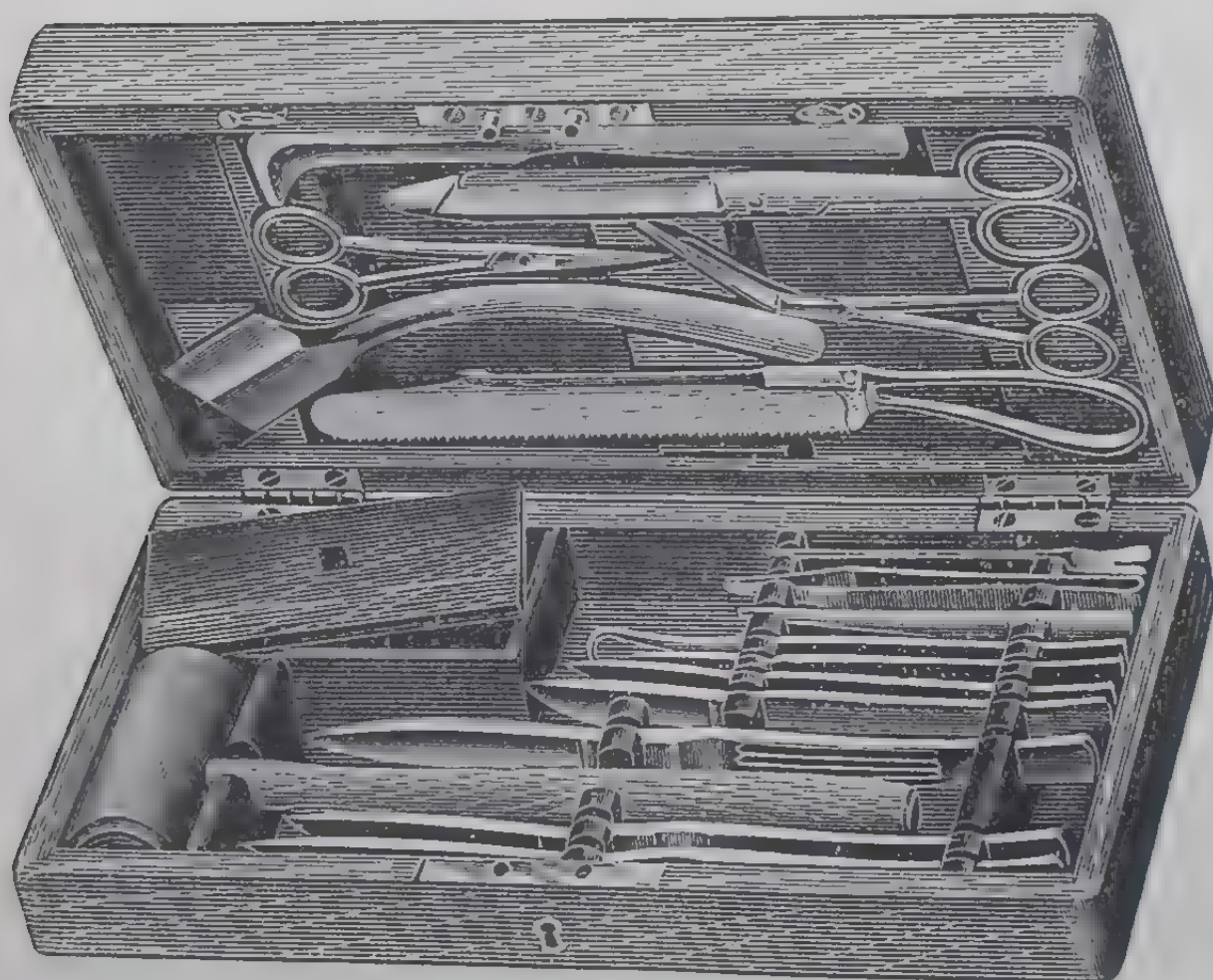
- A-180 No. 1. Case, with ebony handle instruments.
- A-181 No. 2. Case, with ebony handle instruments.
- A-182 No. 3. Case, with ebony handle instruments.
- A-200 No. 1. Case, with metal handle instruments.
- A-201 No. 2. Case, with metal handle instruments.
- A-202 No. 3. Case, with metal handle instruments.
- A-203 No. 4. Case, with metal handle instruments.



A-250

Post-Mortem Cases

A-250 Twentieth Century Post-Mortem Case. Contents: 4 best quality scalpels, 1 heavy cartilage knife, 1 reamer, 1 enterotomy scissor, 1 calvarian hook, 1 bone chisel, 1 blowpipe, 1 amputating knife, 1 small cartilage knife, 1 dissecting scissor, 1 steel hammer, 1 amputating saw, 1 rachiotome, 1 set chain and hooks, 3 post-mortem needles and ligatures. All on a finely nickel-plated rack—no solder being used—thus rendering it capable of being thoroughly sterilized for protection of operator. The case is leather covered with nickel trimmings, having a very comfortable handle.



A-260

A-260 U. S. Marine Hospital Post-Mortem Set, in oak case, wood blocked. Contents: 2 dissecting scalpels, metal handles; 1 tenaculum, metal handle; 1 cartilage knife, metal handle; 3 Virchow's cartilage knives; 1 rachiotome; 1 costotome; 1 Charriere's saw; 1 enterotomy scissors; 1 dissecting scissors; 1 artery scissors; 1 dissecting forceps; 1 rawhide mallet; 1 director and tongue tie; 1 blowpipe; needles and silk.



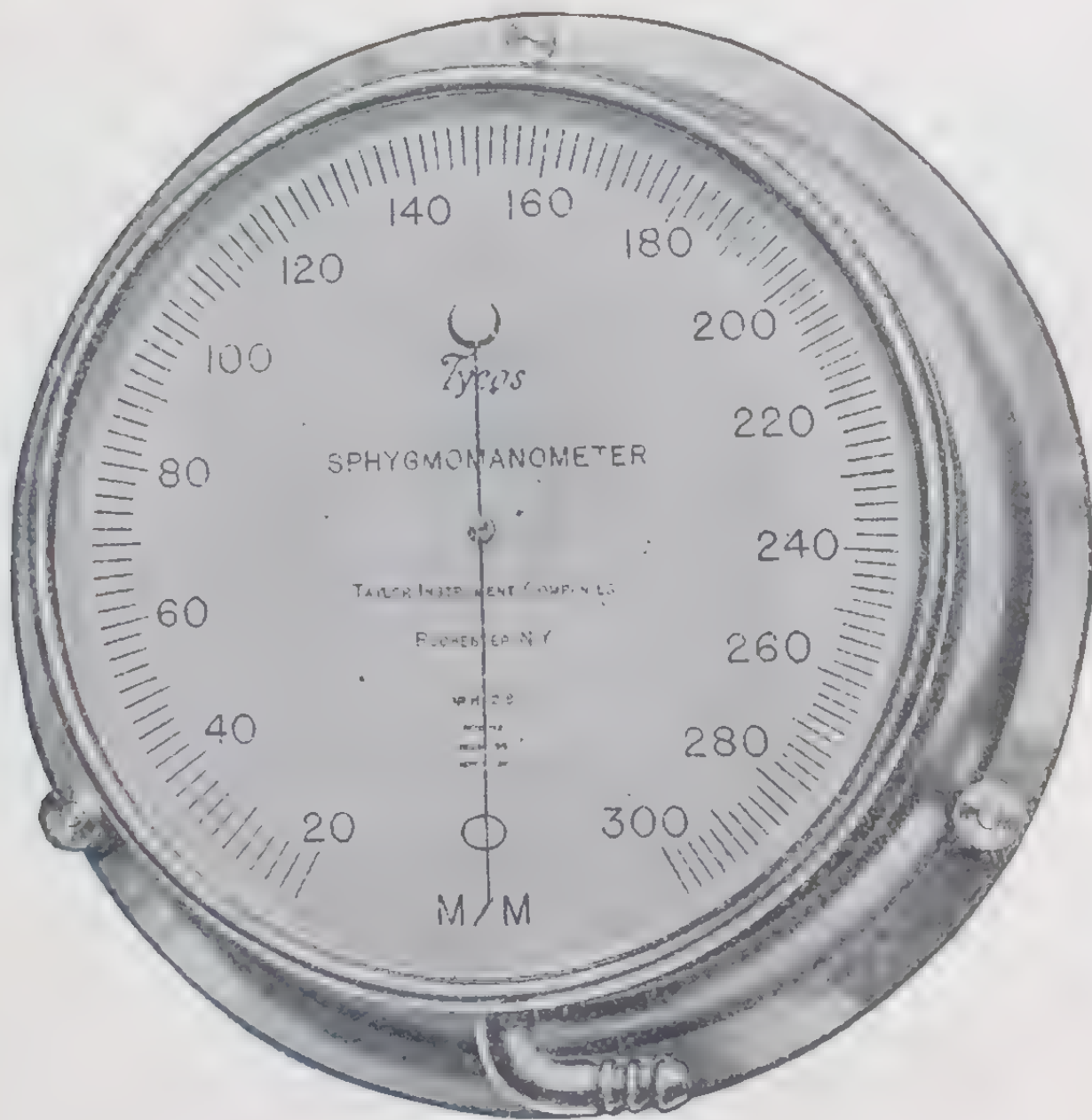
A-270



A-275



A-280



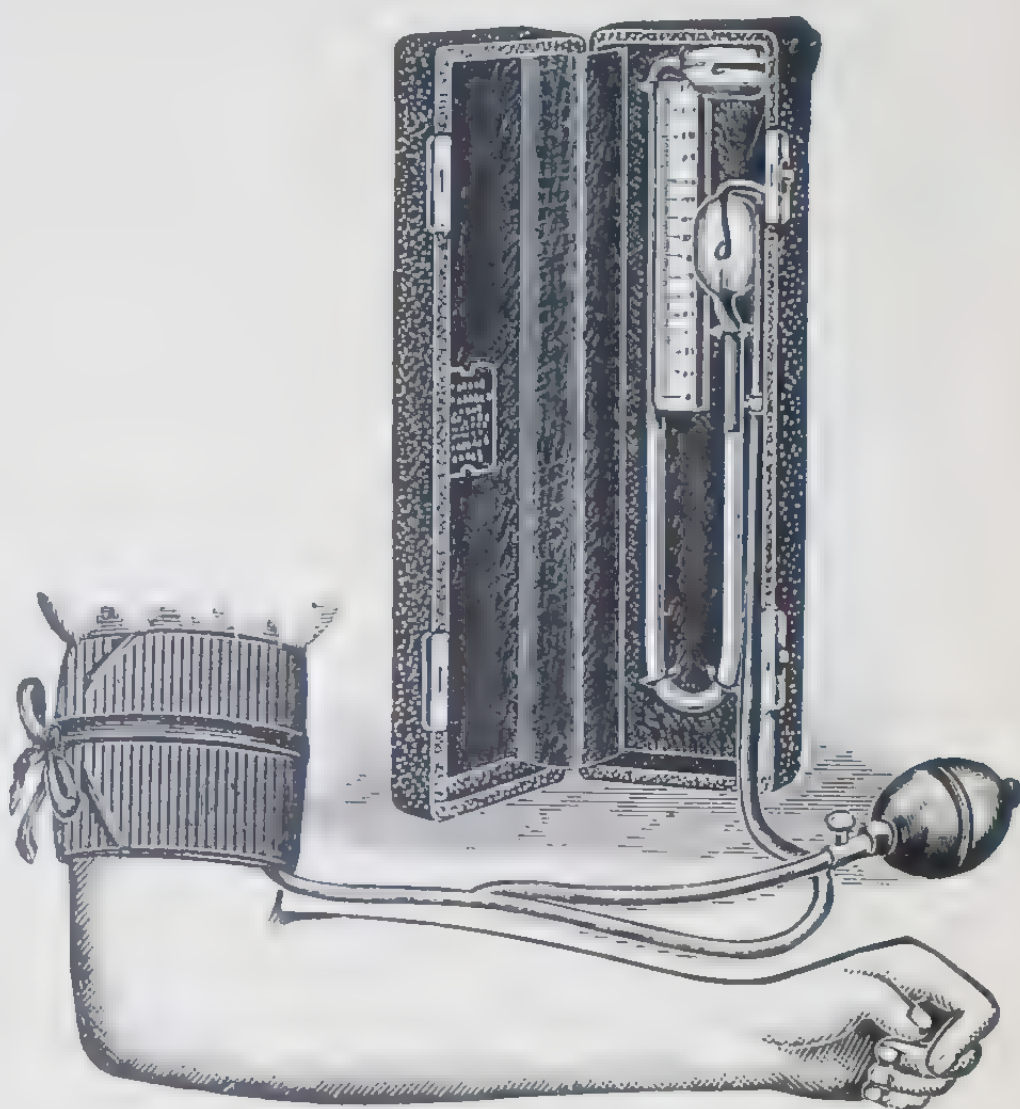
A-281

Aneroid Sphygmomanometers

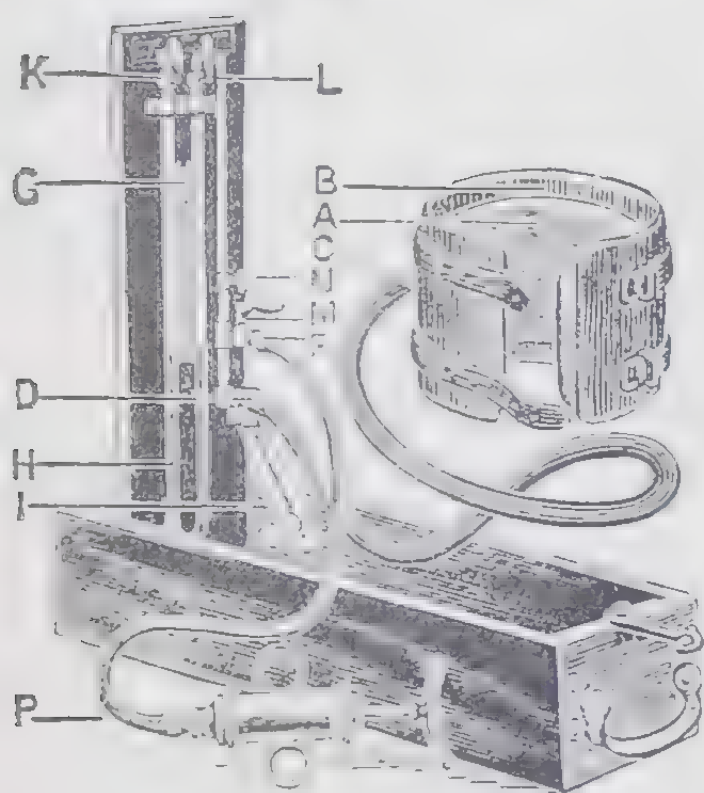
- A-270 **Faught's**, pocket, complete with cuff and pump, in case.
- A-275 **Tag-Roesch's**, pocket, complete with cuff and bulb, in case.
- A-280 **Tyco's**, pocket, complete with cuff and bulb, in case.
- A-281 **Tyco's**, office type, complete.



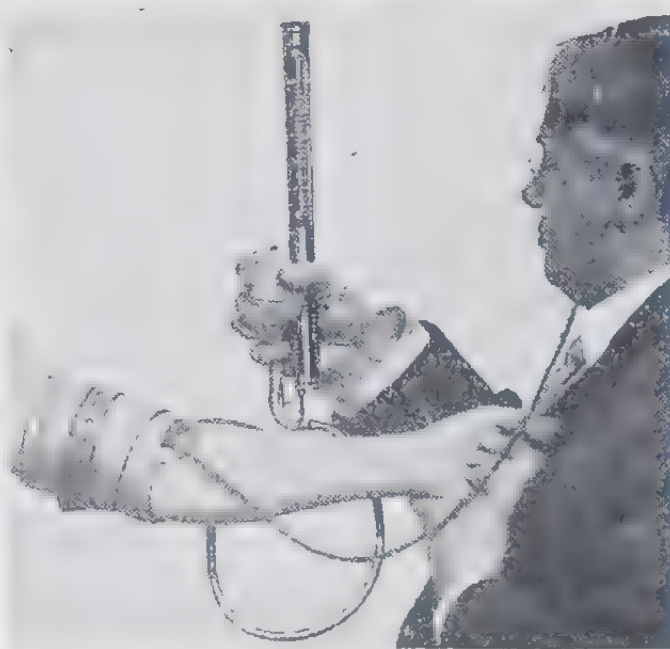
A-290



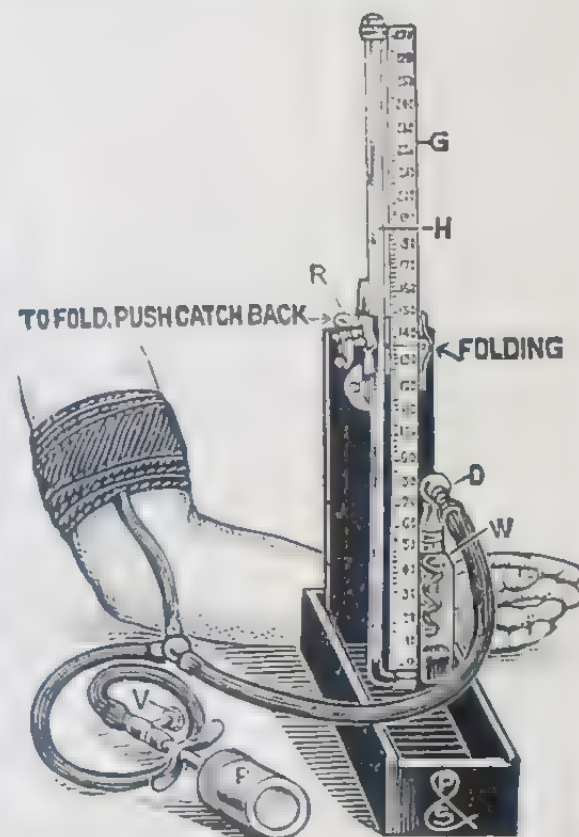
A-300



A-305



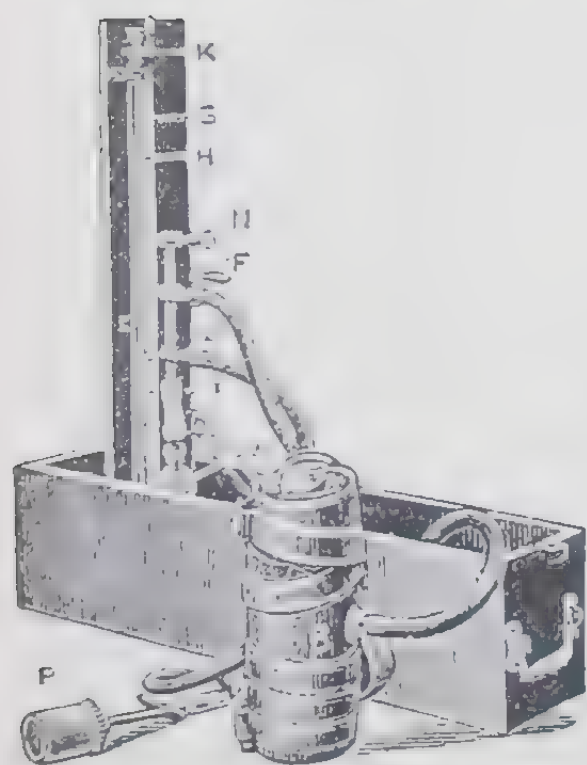
A-310



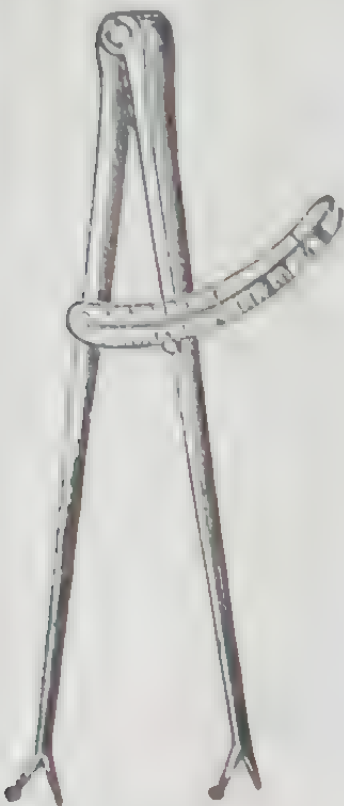
A-315

Mercurial Sphygmomanometers

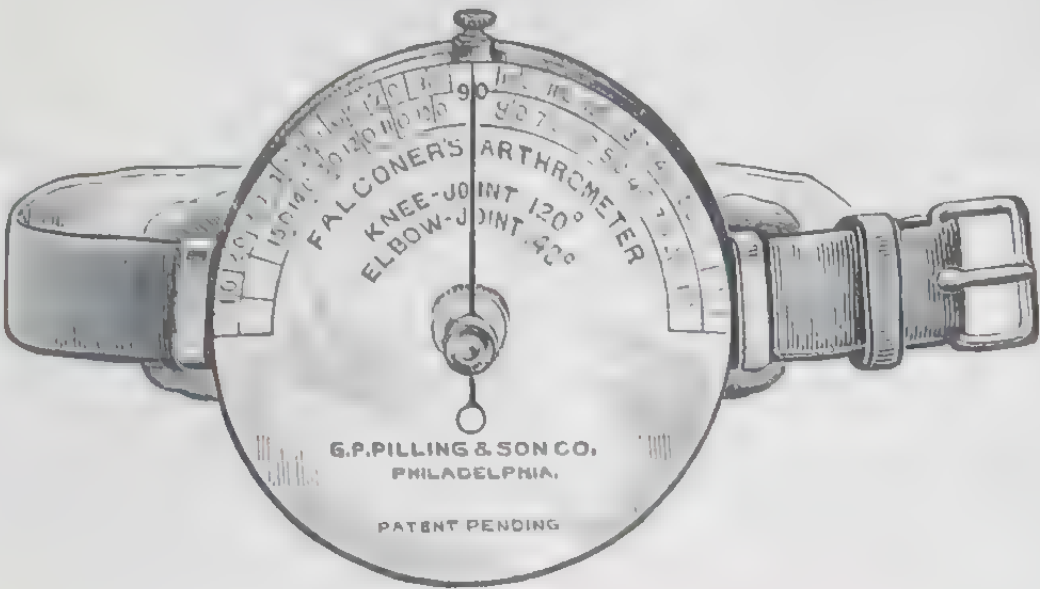
- A-290 **Baumanometer**, desk model, complete with cuff and bulb.
- A-291 **Baumanometer**, kit model, complete with cuff and bulb.
- A-292 **Baumanometer**, pocket model, complete with cuff and bulb.
- A-293 **Baumanometer**, wall board, complete with cuff and bulb.
- A-300 **Brown's**, complete with cuff and bulb.
- A-305 **Faught's**, complete with cuff and pump.
- A-310 **Mercer's**, complete with cuff and bulb, in soft leather case.
- A-315 **Pilling's**, pocket, complete with soft cuff and bulb.
- A-319 **Pilling's** special, No. 1, with stiff cuff and pump, mahogany case.
- *A-320 **Pilling's** special, No. 2, with soft cuff and pump, plain oak case.



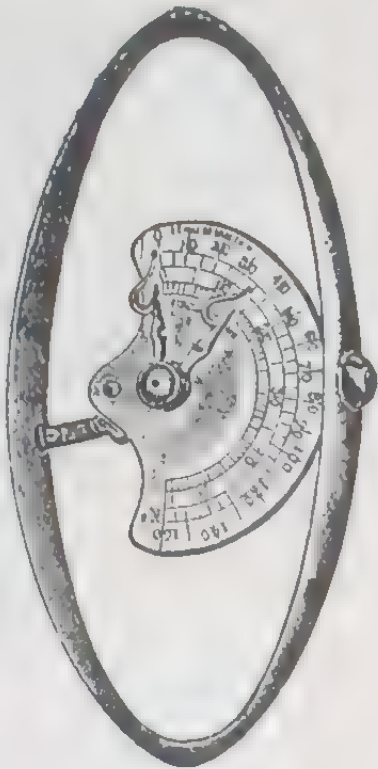
A-319



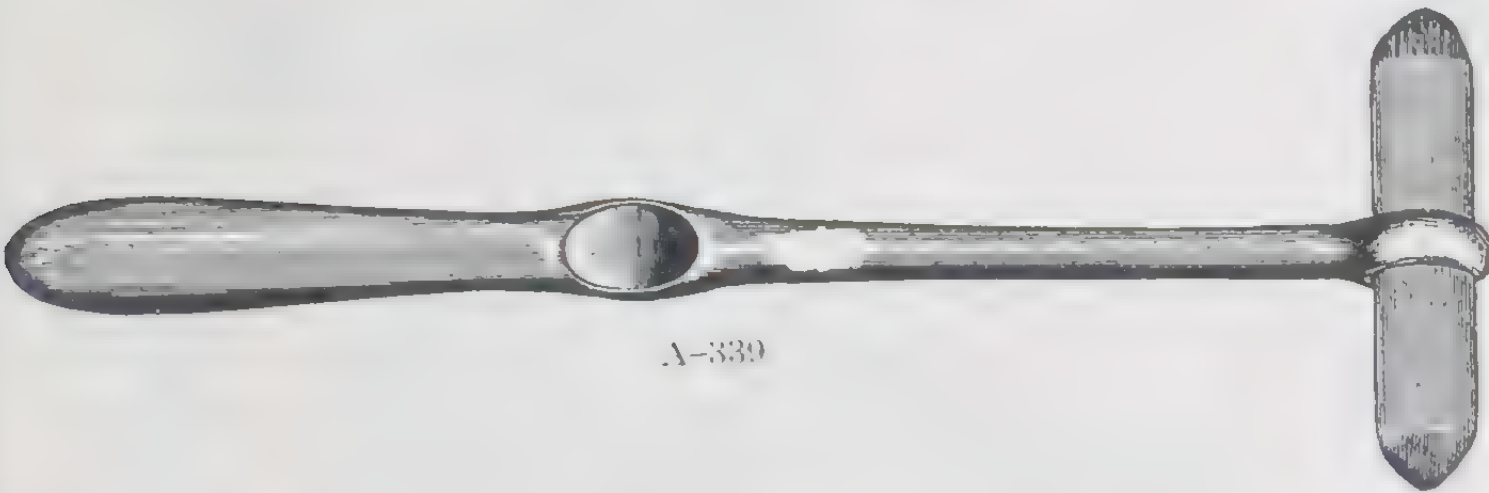
A-330



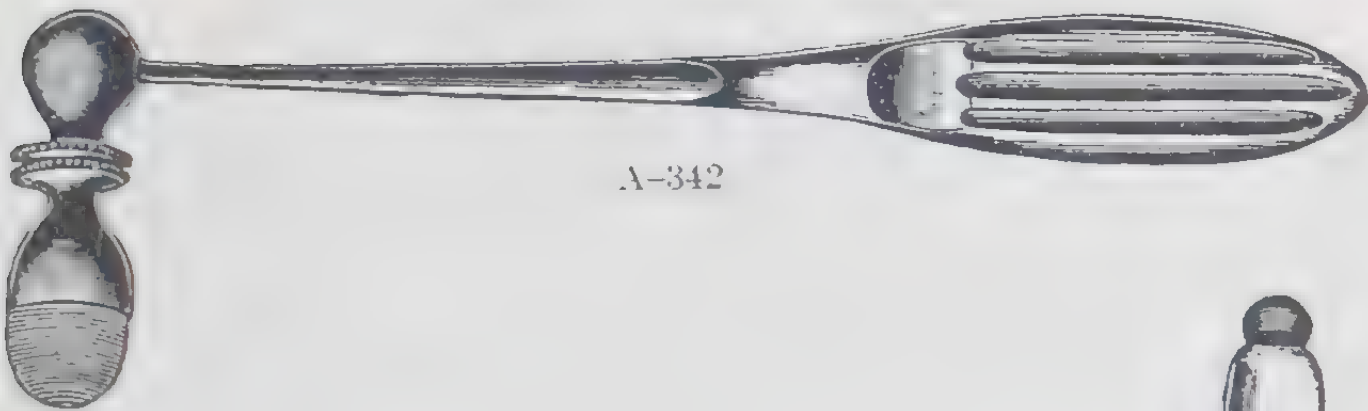
A-335



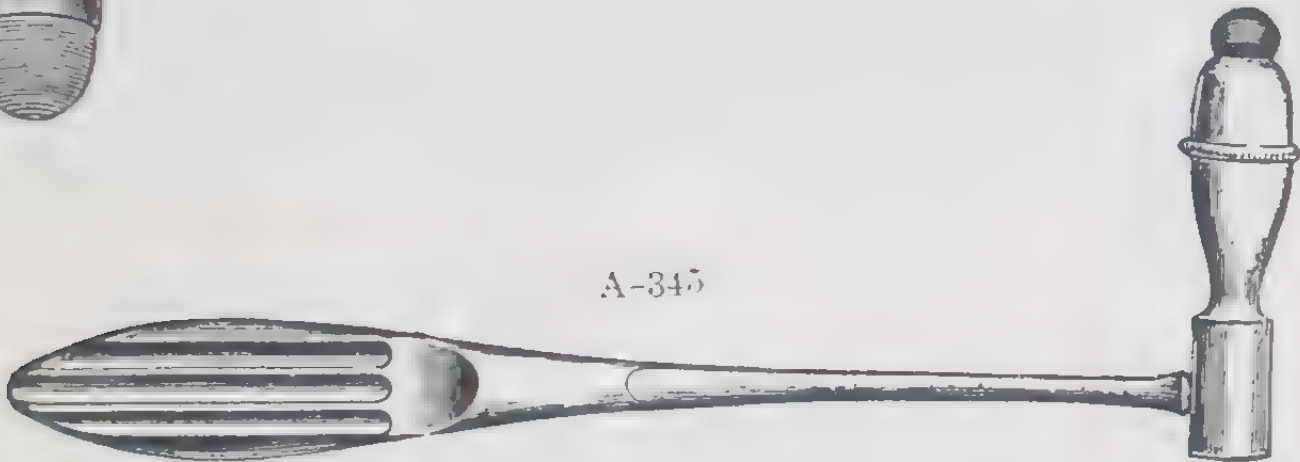
A-337



A-339



A-342



A-345



A-347

Aesthesiometers

A-330 **Carroll's.**

Arthrometers

A-335 **Falconer's**, for measuring mobility of joints.
Descriptive booklet sent on application.

Dynamometers

A-337 **Collins'.**

Percussors

- A-339 **Flint's**, metal handle.
- A-342 **Niemayer's**, solid handle.
- A-345 **Traube's**, metal handle.
- A-347 **Taylor's**, heavy, metal handle.



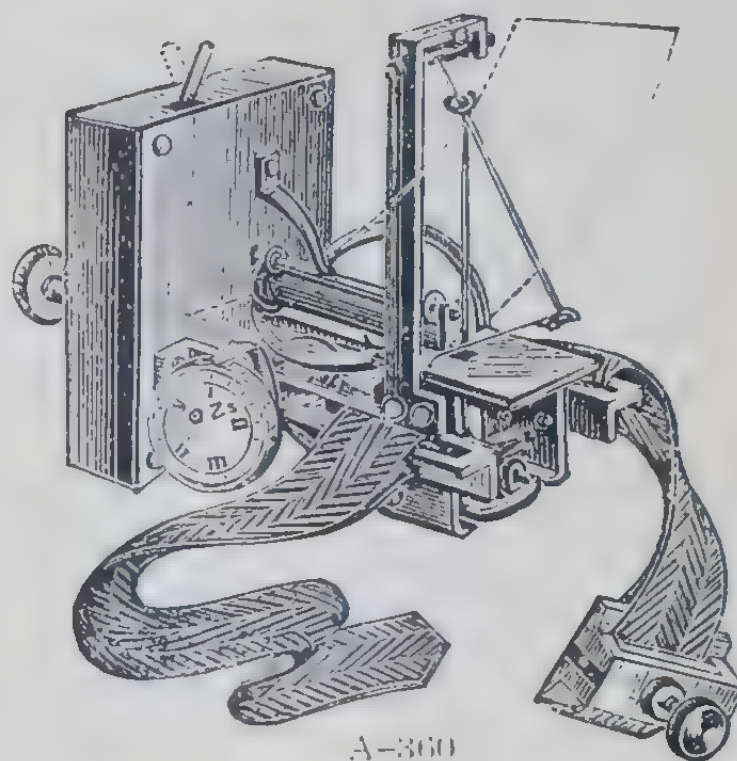
A-350



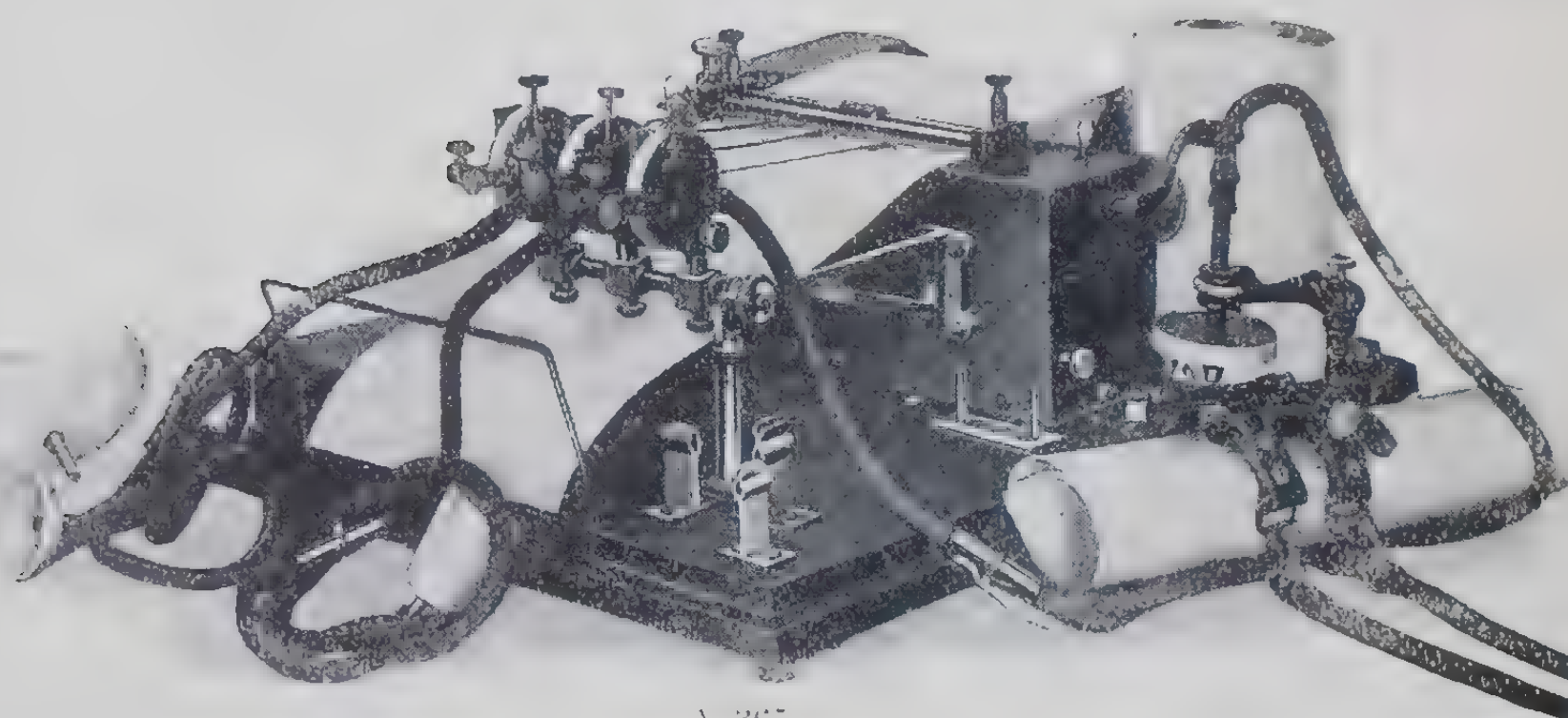
A-353



A-355



A-360



A-365

Pleximeters

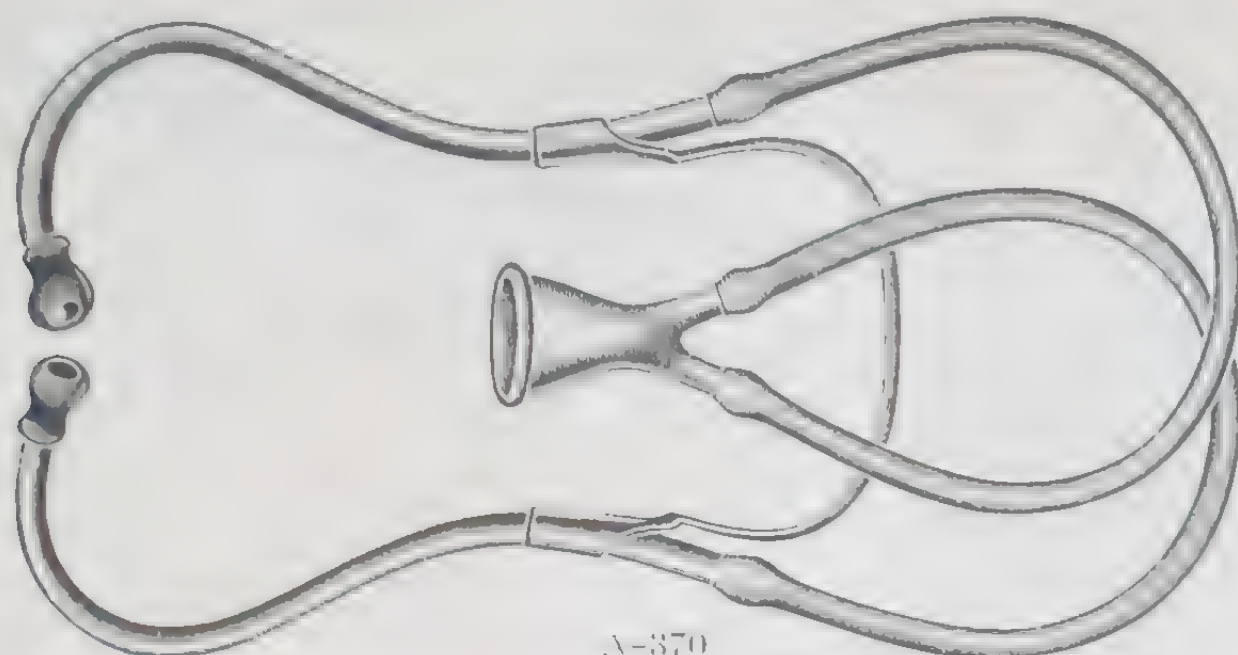
- A-350 Hard rubber, oval shape
- A-353 Hesse's, glass.
- A-355 Struck's, hard rubber.

Sphygmographs

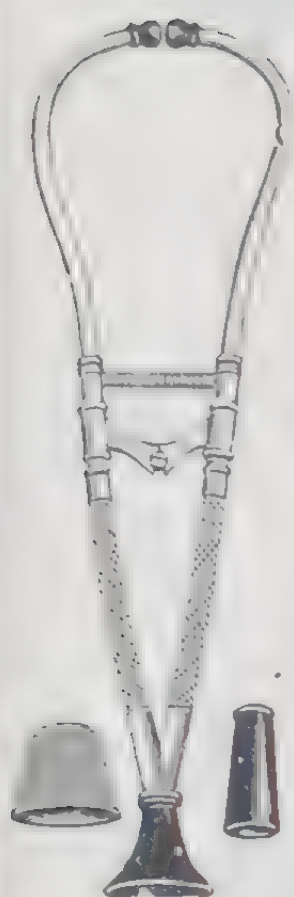
- A-360 Dudgeon's.
- *A-362 Richardson's.

Ink Polygraphs

- A-365 Mackenzie's New American Model (Dressler's modification) with 3 non-rubber diaphragms, ready assembled for immediate use, as shown, in case.



A-370



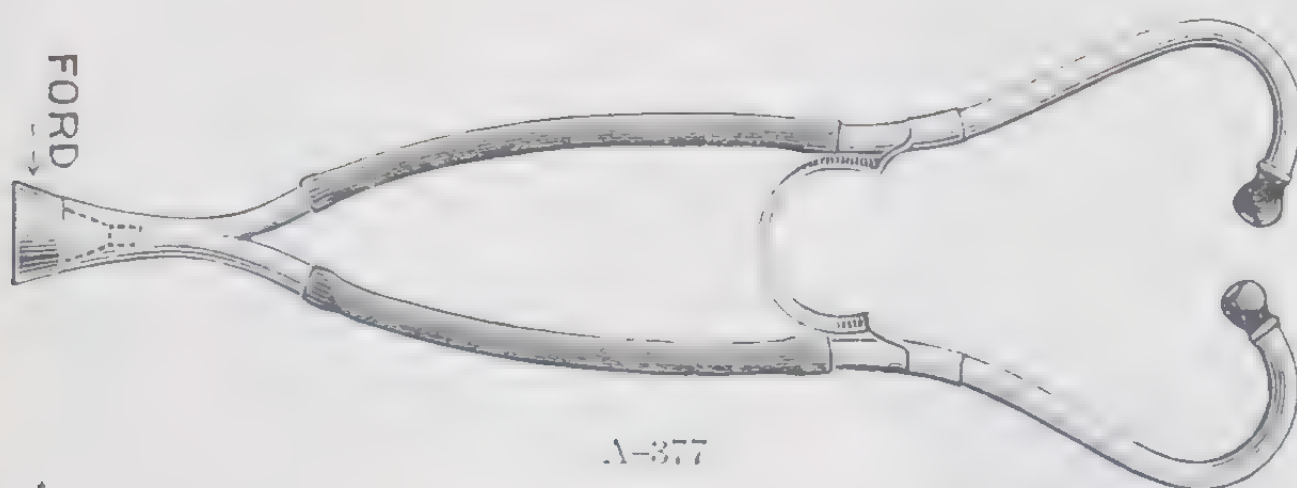
A-373



A-375



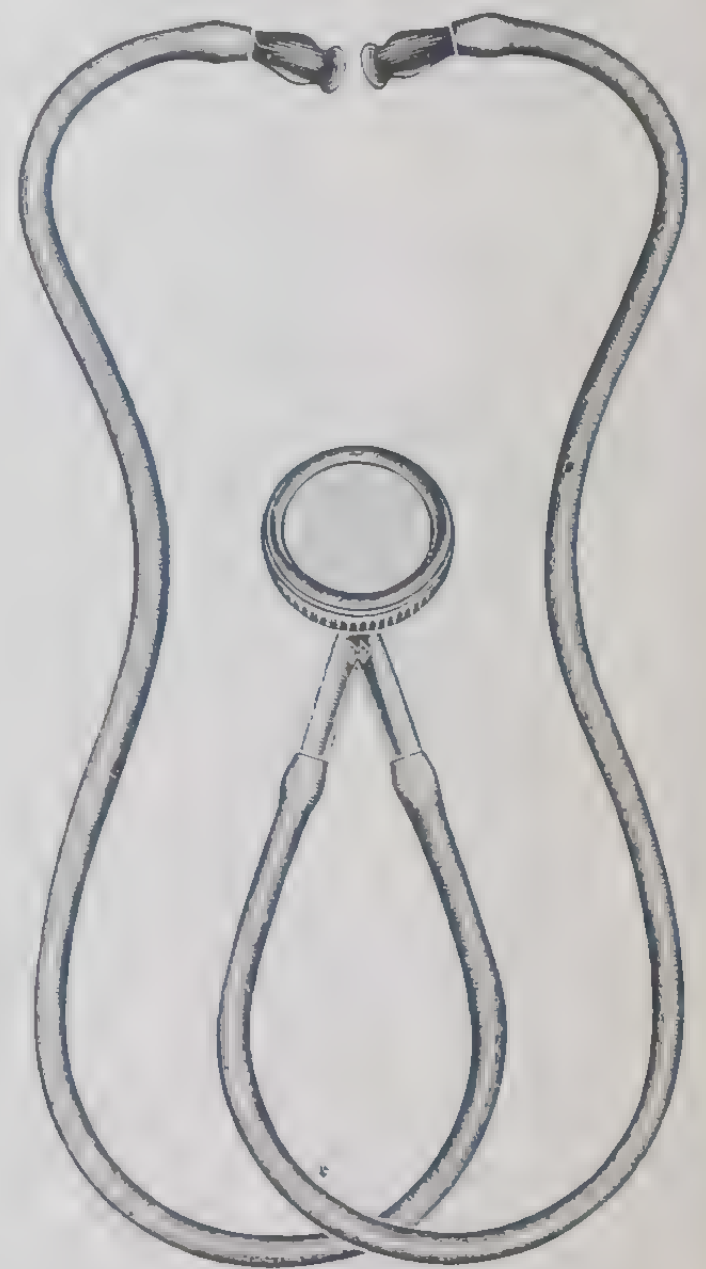
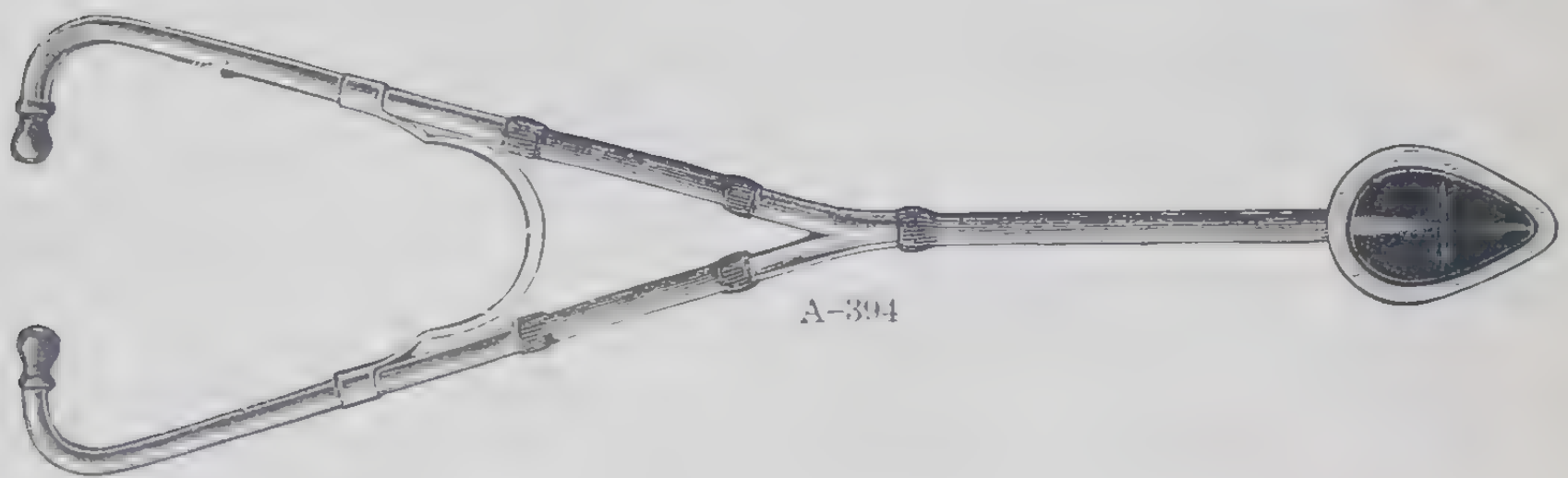
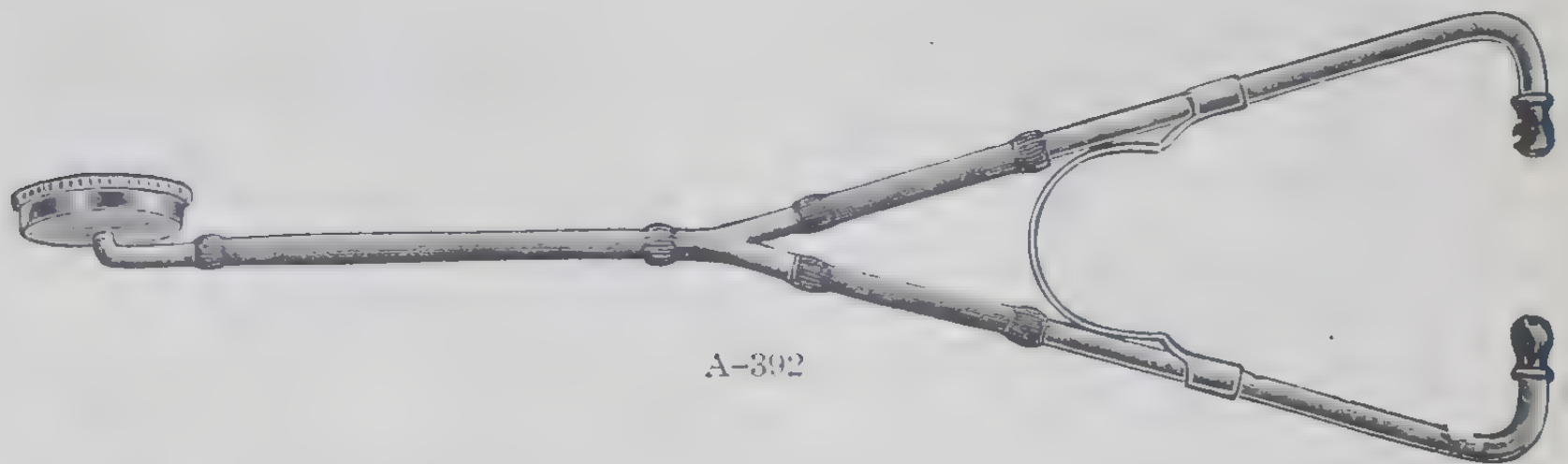
A-381



A-377

Stethoscopes—Bell Type

- A-370 **Acme**, with metal binaurals.
- *A-371 **Acme**, with soft rubber binaurals.
- A-373 **Camman's**, with spiral spring.
- A-375 **Downs'**, with metal tubing; with flexible metal tubing.
- A-377 **Ford's** (Post-Graduate), with rubber tubing; with flexible metal tubing.
- *A-379 **Sheppard's**, folding.
- A-381 **Snofton's**, with rubber tubing.
- A-382 **Snofton's**, with flexible metal tubing.
- *A-385 **Tiemann's**.

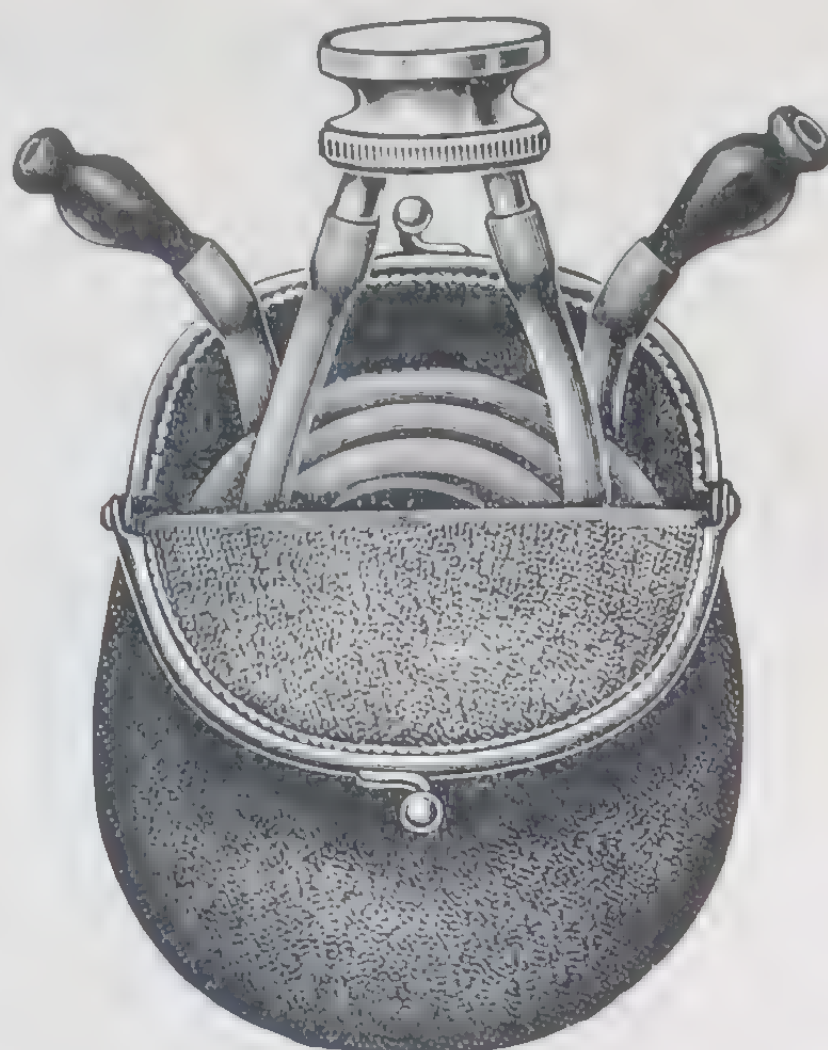


Stethoscopes—Diaphragm Type

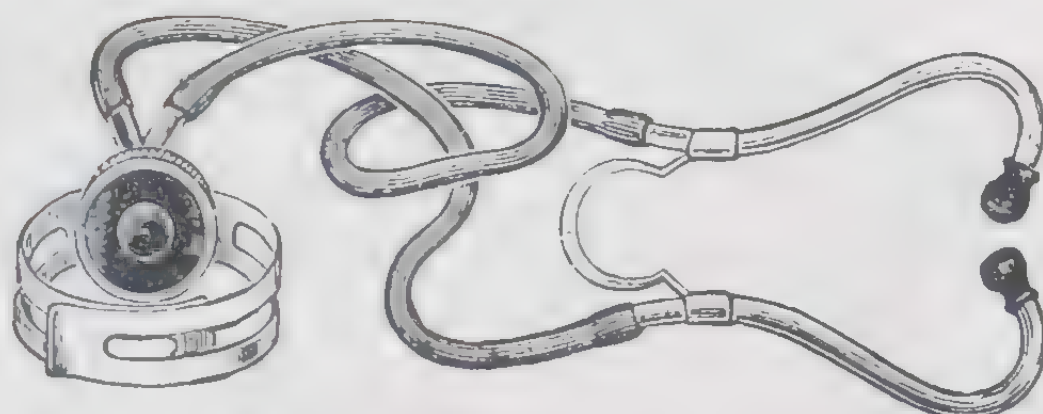
- *A-390 **Ampliphone.**
- A-392 **Bowle's**, round diaphragm, $1\frac{3}{8}$, $1\frac{3}{4}$ or $2\frac{1}{8}$ inches in diameter.
- A-394 **Bowle's**, flat-iron diaphragm, one size only.
- A-398 **Carsten's Duplex**, with two diaphragms, $1\frac{3}{4}$ and 1 inch respectively.
- A-399 **Douglass**, with all soft rubber tubes, in khaki pouch.
- *A-400 **Douglass**, with metal ear tubes and soft rubber connecting tubes, in khaki pouch.



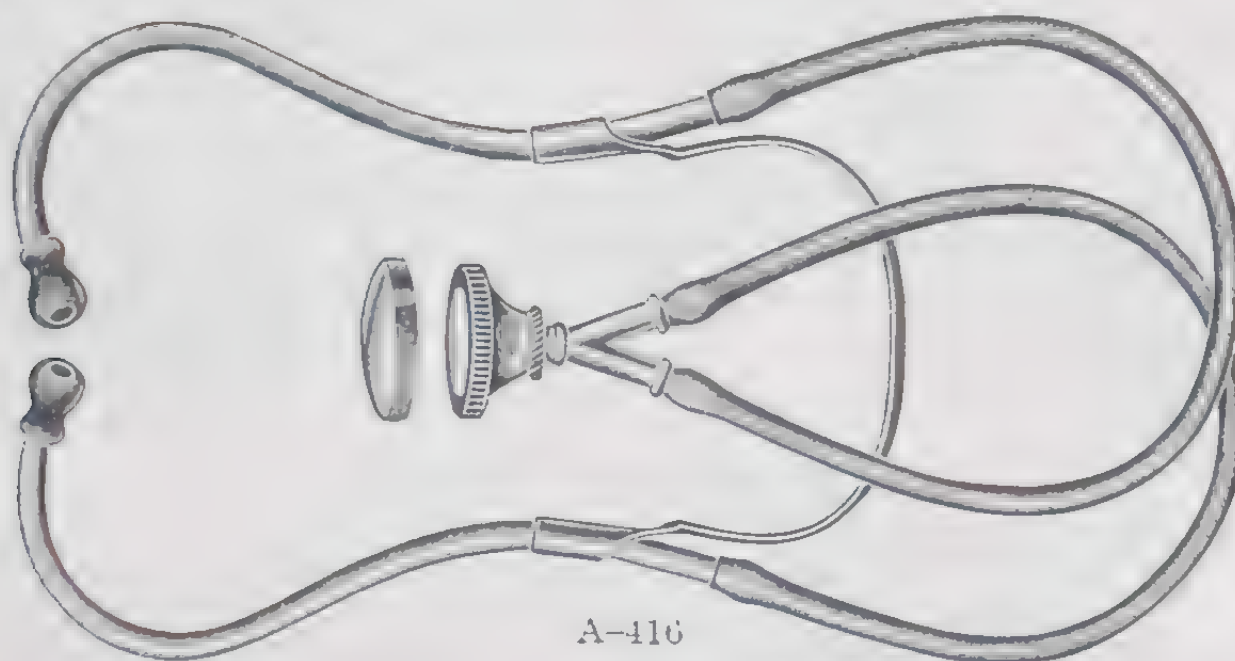
A-405



A-408



A-410



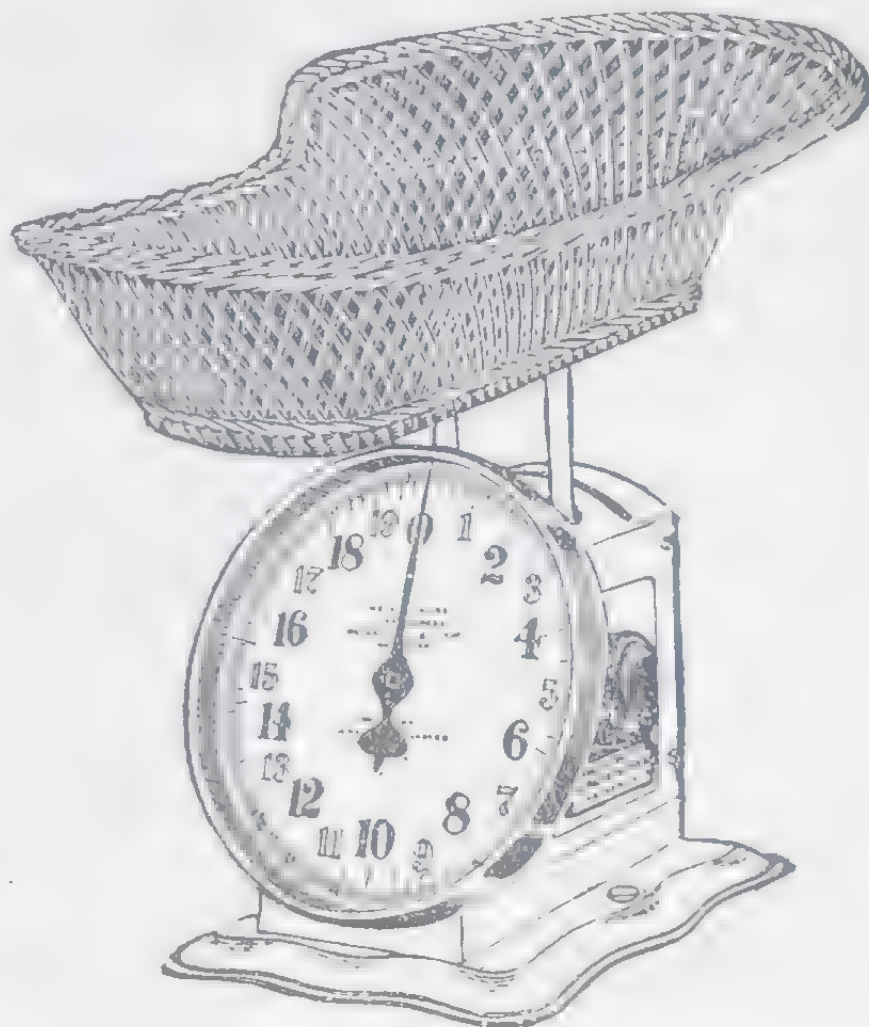
A-416

Stethoscopes—Diaphragm Type

- A-405 **Kehler's**, with 1, 1 $\frac{1}{4}$ or 2 inch diaphragm, with metal binaurals, in leatherette box.
- *A-406 **Kehler's**, diaphragms as above, with soft rubber binaurals, in felt pouch.
- A-408 **Micro-membranous** Stethoscope, with soft rubber binaurals, in felt pouch.
- A-410 **Pilling's** Bracelet Stethoscope, arm, for blood pressure test.
- *A-412 **Pilling's** Bracelet Stethoscope, leg, for blood pressure test.
- *A-415 **Pulaski**, with soft rubber binaurals, in khaki pouch.
- A-416 **Pulaski**, with metal binaurals, in khaki pouch.



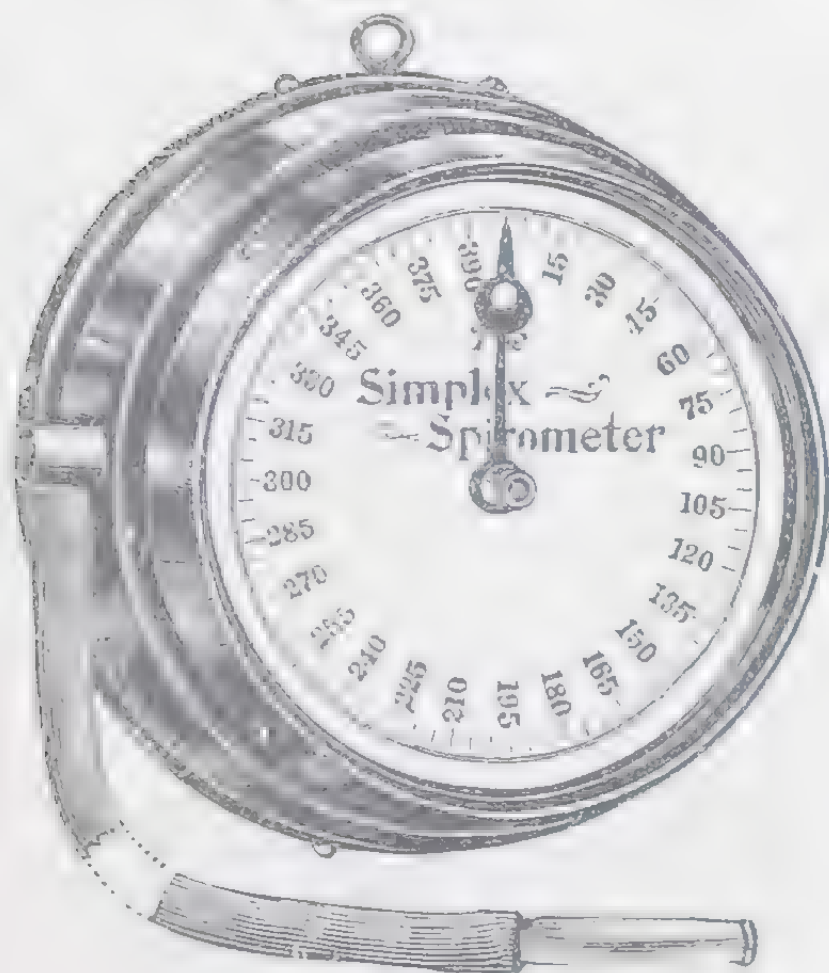
A-420



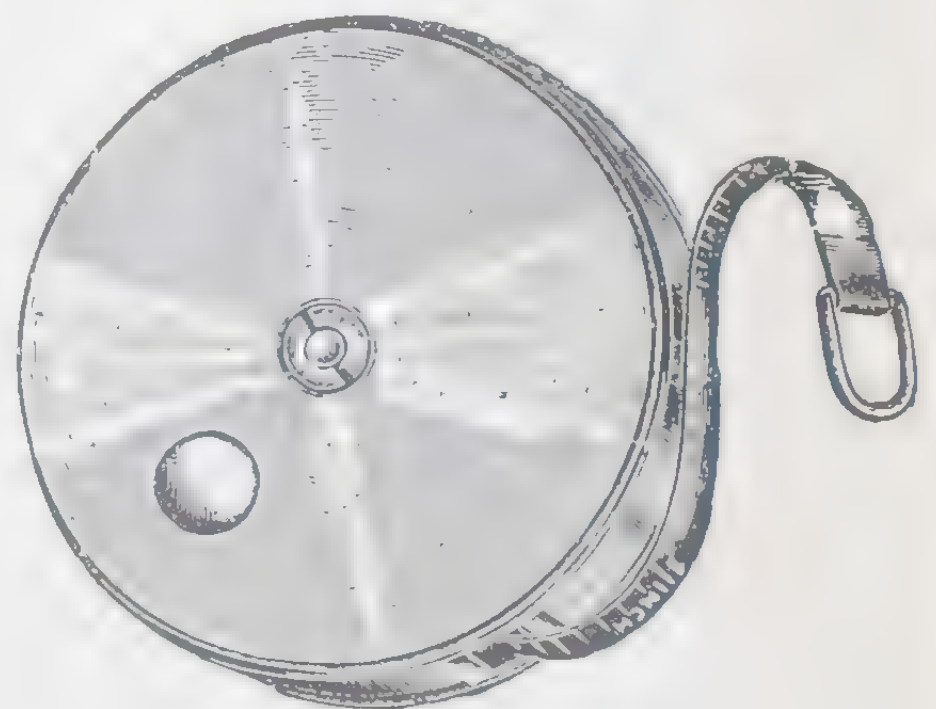
A-430



A-435



A-445



A-450-451

Measuring Rods

A-420 Douglass.

Scales

- *A-425 Physician's Bath-room Spring Scales.
- A-430 Physician's Bath-room Spring Scales, with nursery basket.
- A-435 Physician's Beam Scales, with removable weights.
- *A-440 Physician's Compound Beam Scales (sliding weights only).

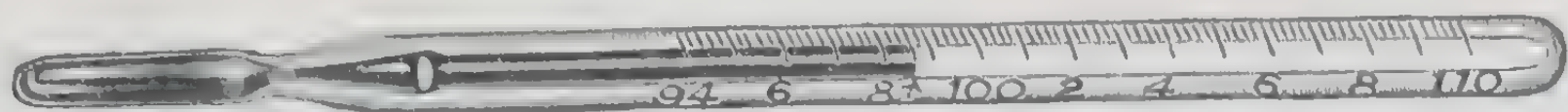
Spirometers

A-445 Simplex.

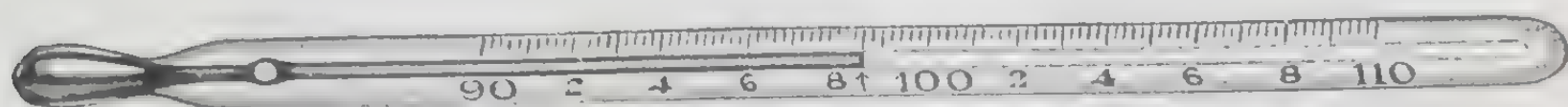
Tape Measures

- A-450 Linen, in metal case, 1, 1½ and 2 meters or yards.
- A-451 Steel, in metal case, lengths as above.

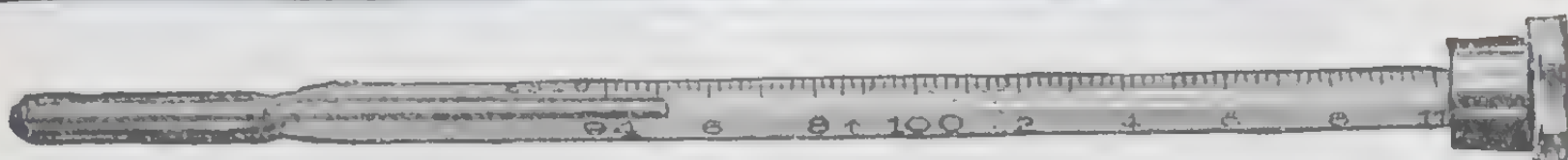
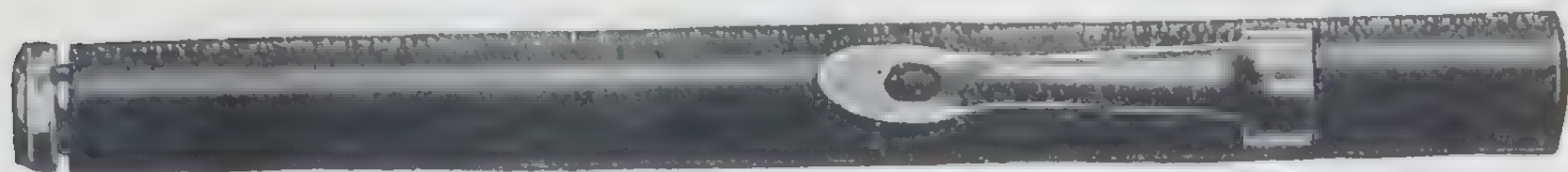
STANDARD SURGICAL INSTRUMENTS



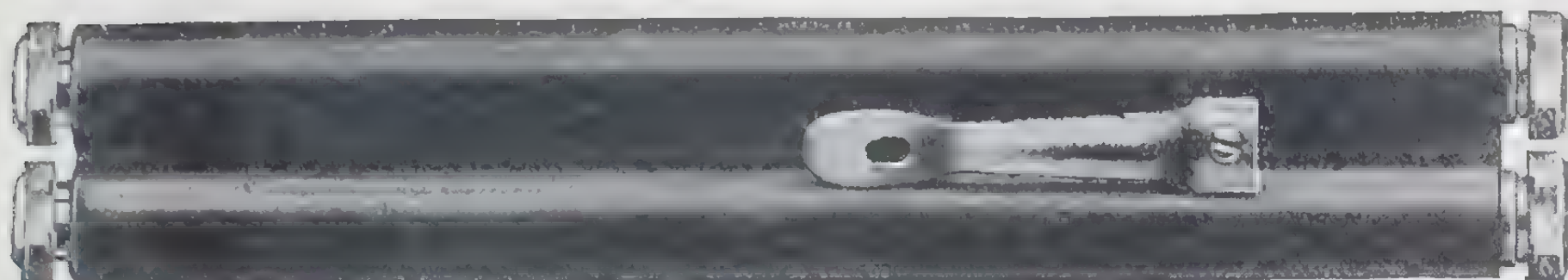
A-480



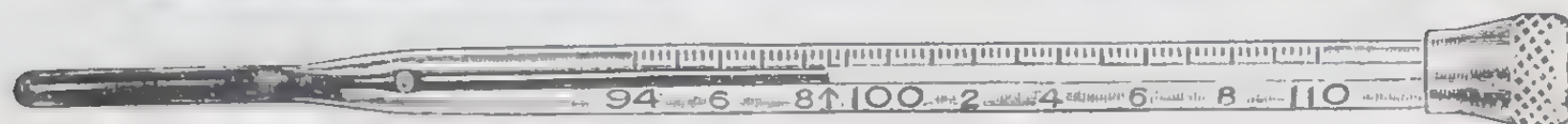
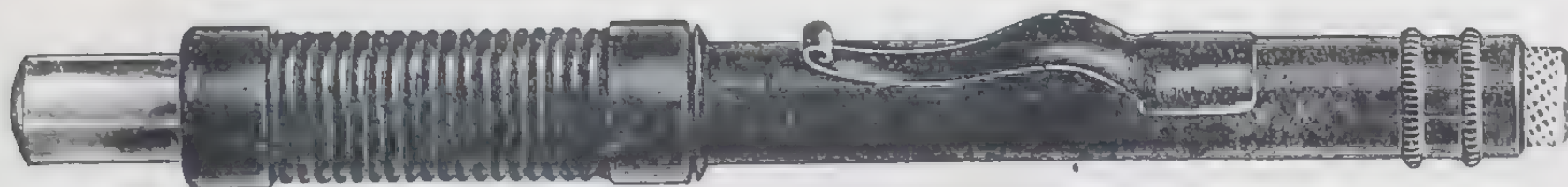
A-485



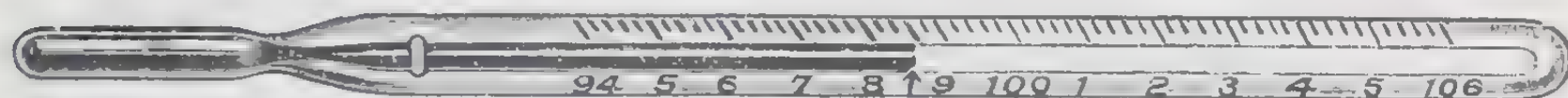
A-490



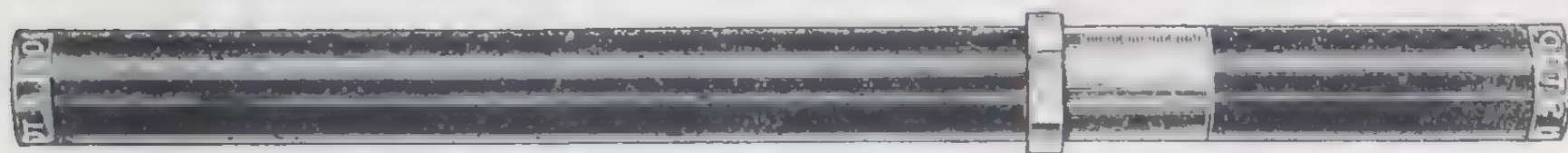
A-495



A-497



A-499

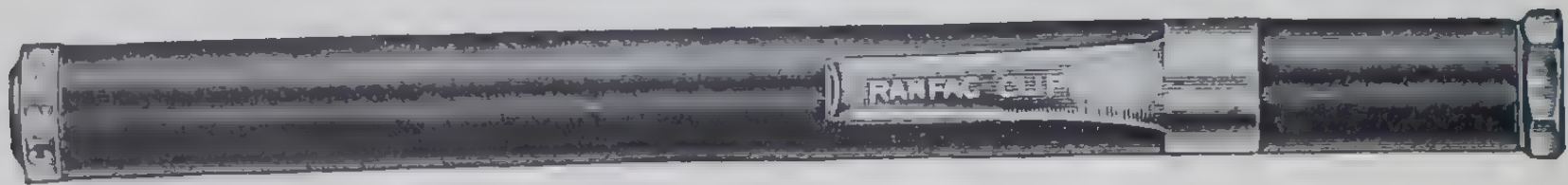


A-505

Fever Thermometers

- A-480 Good quality clinical, in hard rubber case, $\frac{1}{2}$, 1 and 2 minute.
- A-485 Good quality clinical, rectal, in hard rubber case.
- A-490 B. D. Co. clinical, in B. D. Co. case, 30, 60 and 90 seconds.
- A-495 B. D. Co. clinical, in Duplex case with one 60 second and one rectal.
- A-497 B. D. Presto clinical, in special automatic shake-down case, 30, 60, 90 and 120 second.
The B. D. Presto safeguards against breakage in "shaking down."
- A-499 B. D. Co. Saranac, engraved from 94 to 106 degrees, in B. D. Co. case, 60 and 90 second.
- *A-500 Harvard clinical, in hard rubber or metal case, with or without chain, 30, 60, 90 and 120 second.
- A-505 Harvard clinical, in Acme case, 60 second.
- *A-506 Harvard clinicals, in twin case, one oral and one rectal.

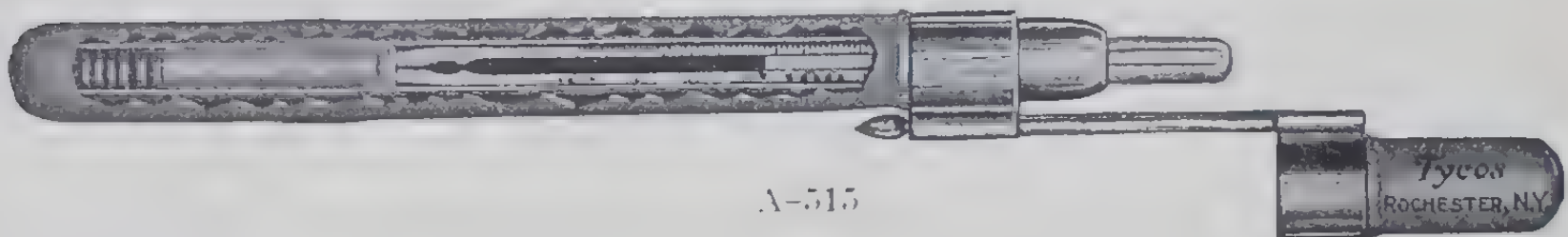
STANDARD SURGICAL INSTRUMENTS



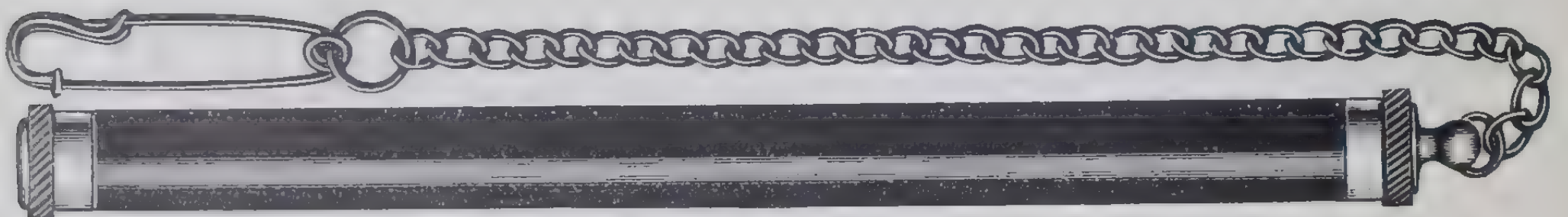
A-507



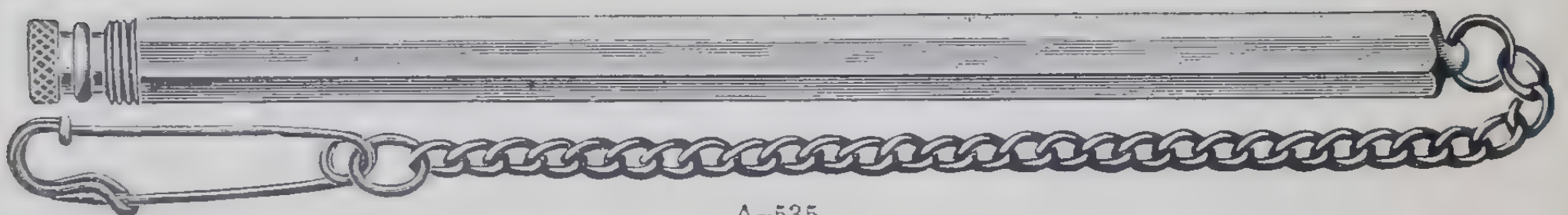
A-509



A-515



A-530



A-535



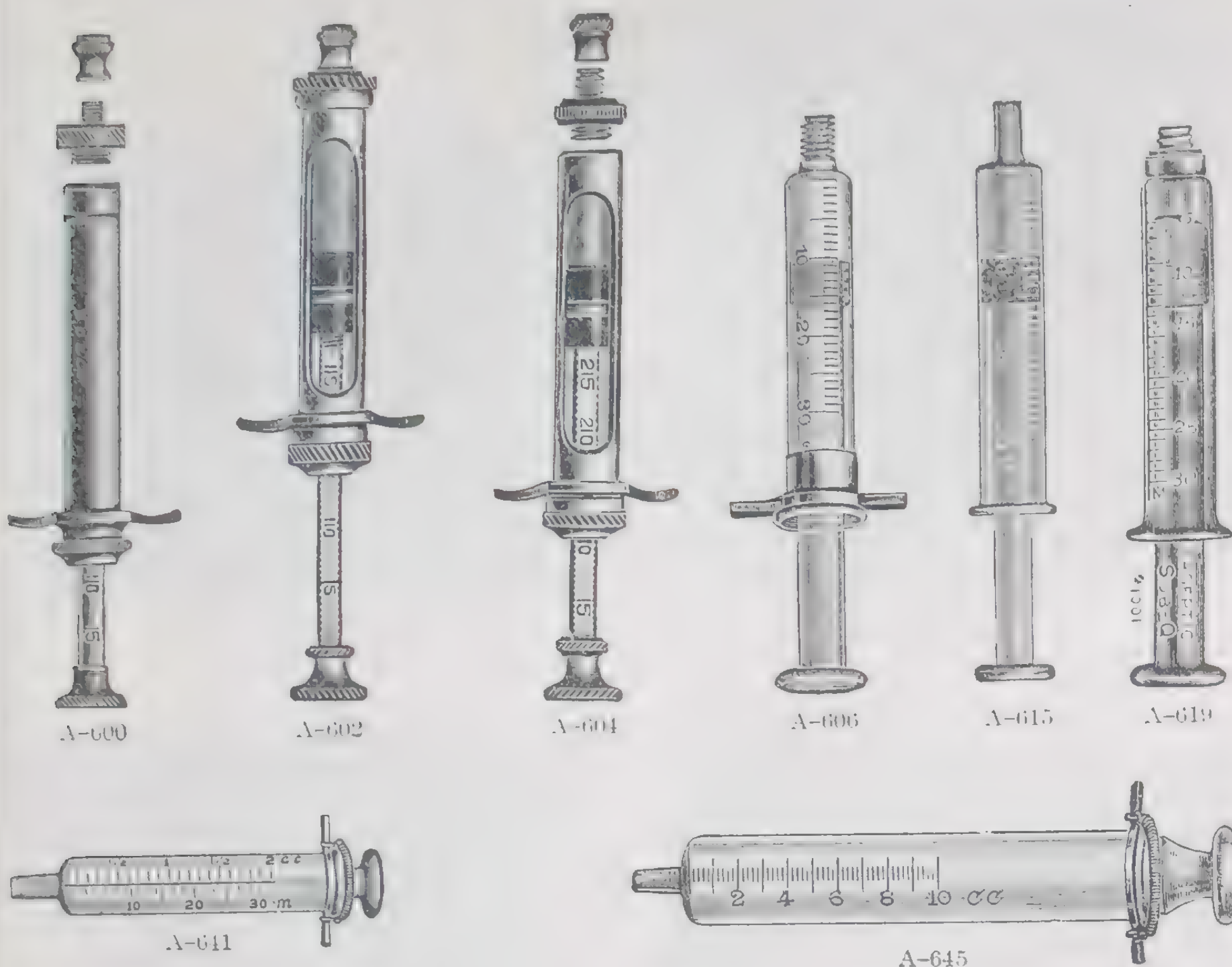
A-540

Fever Thermometers

- A-507 **Harvard** clinical, in Ranfac clip case, 60 second.
- A-509 **Telafever** clinical, **fever readings in red**, in case, with or without chain, 30, 60 and 120 second.
- *A-510 **Telafever** clinicals, in twin case, with chain, one oral and one rectal.
- A-515 **Tycos** clinical, in Tycos safety case, $\frac{1}{2}$, 1 and 2 minute.
- *A-516 **Tycos** clinicals, in Tycos combination case, one oral and one rectal.
- *A-517 **Tycos** clinical, in hard rubber case, $\frac{1}{2}$, 1 and 2 minute.
- *A-518 **Taylor** quality clinical, in hard rubber case, $\frac{1}{2}$, 1 and 2 minute.

Fever Thermometer Cases

- A-530 Enamel and nickel case, with chain.
- A-535 Hexagon nickel case, with chain.
- A-540 Twist metal case, with chain.

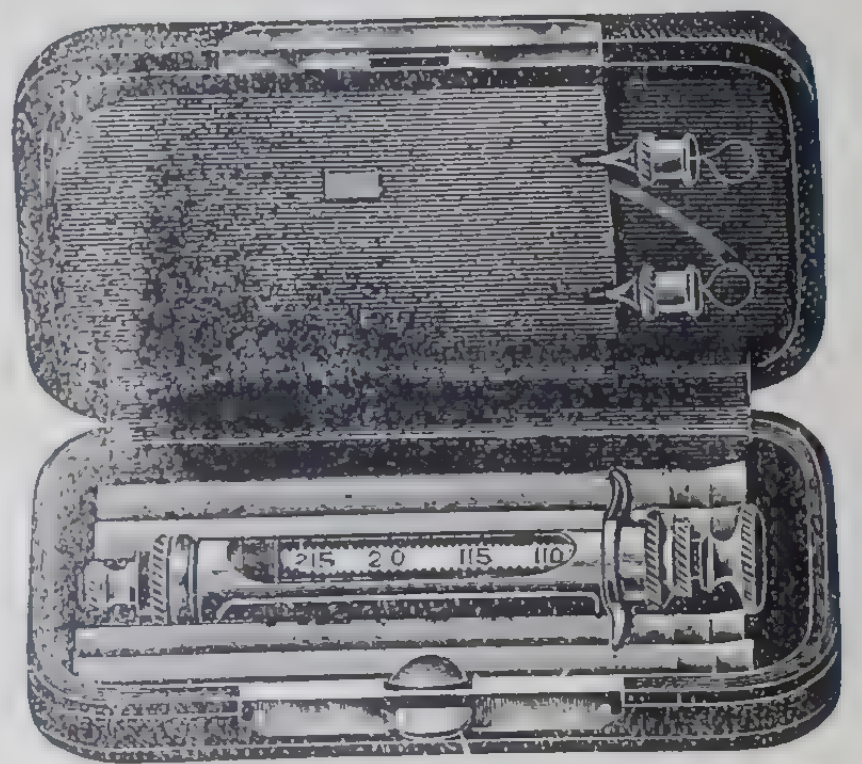


Antitoxin and Hypodermic Syringes Only

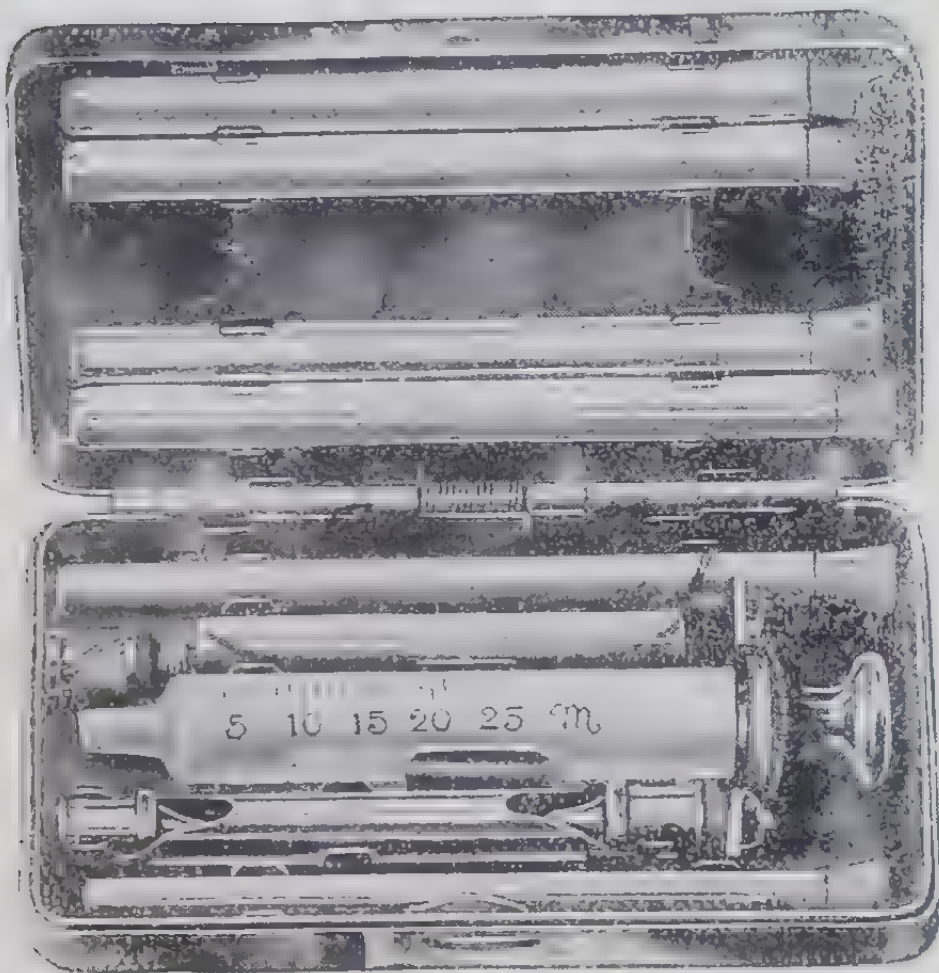
- A-600 All metal, aseptic, standard thread, 25 mns.
- A-602 Plain, glass and metal, standard thread, 25 mns.
- A-604 Plain, glass and metal, double fenestrated, standard thread, 25 mns.
- A-606 Glass and asbestos, with finger rests, screw thread, 30 mns.
- *A-607 Glass and asbestos, with finger rests, screw thread, 5 cc.
- *A-608 Glass and asbestos, with finger rests, screw thread, 10 cc.
- A-615 Glass and asbestos, with Luer tip, 30 mns.
- *A-616 Glass and asbestos, with Luer tip, 5 cc.
- *A-617 Glass and asbestos, with Luer tip, 10 cc.
- *A-618 Glass and asbestos, with Luer tip, 20 cc.
- A-619 Sub-Q, with mineral packing, screw thread, 25 and 30 mns.
- *A-620 Sub-Q, with mineral packing, screw thread, 60 mns.
- *A-621 Sub-Q, with mineral packing, screw thread, 12 cc.
- *A-622 Sub-Q, with mineral packing, screw thread, 20 cc.
- *A-630 Sub-Q, with mineral packing, Luer tip, 25 and 30 mns.
- *A-631 Sub-Q, with mineral packing, Luer tip, 60 mns.
- *A-632 Sub-Q, with mineral packing, Luer tip, 12 cc.
- *A-633 Sub-Q, with mineral packing, Luer tip, 20 cc.
- *A-640 All glass, Luer tip, 1½ cc. or 25 mns. graduated in both scales.
- A-641 All glass, Luer tip, 2cc or 30 mns. graduated in both scales.
- *A-642 All glass, Luer tip, 3 cc. graduated in ½ cc.
- *A-643 All glass, Luer tip, 4 cc. graduated in ½ cc.
- *A-644 All glass, Luer tip, 5 cc. graduated in ½ cc.
- A-645 All glass, Luer tip, 10 cc. graduated in ½ cc.
- *A-646 All glass, Luer tip, 20 cc. graduated in 1 cc.
- *A-647 All glass, Luer tip, 30 cc. graduated in 1 cc.
- *A-648 All glass, Luer tip, 50 cc. graduated in 5 cc.
- *A-649 All glass, Luer tip, 100 cc. graduated in 5 cc.



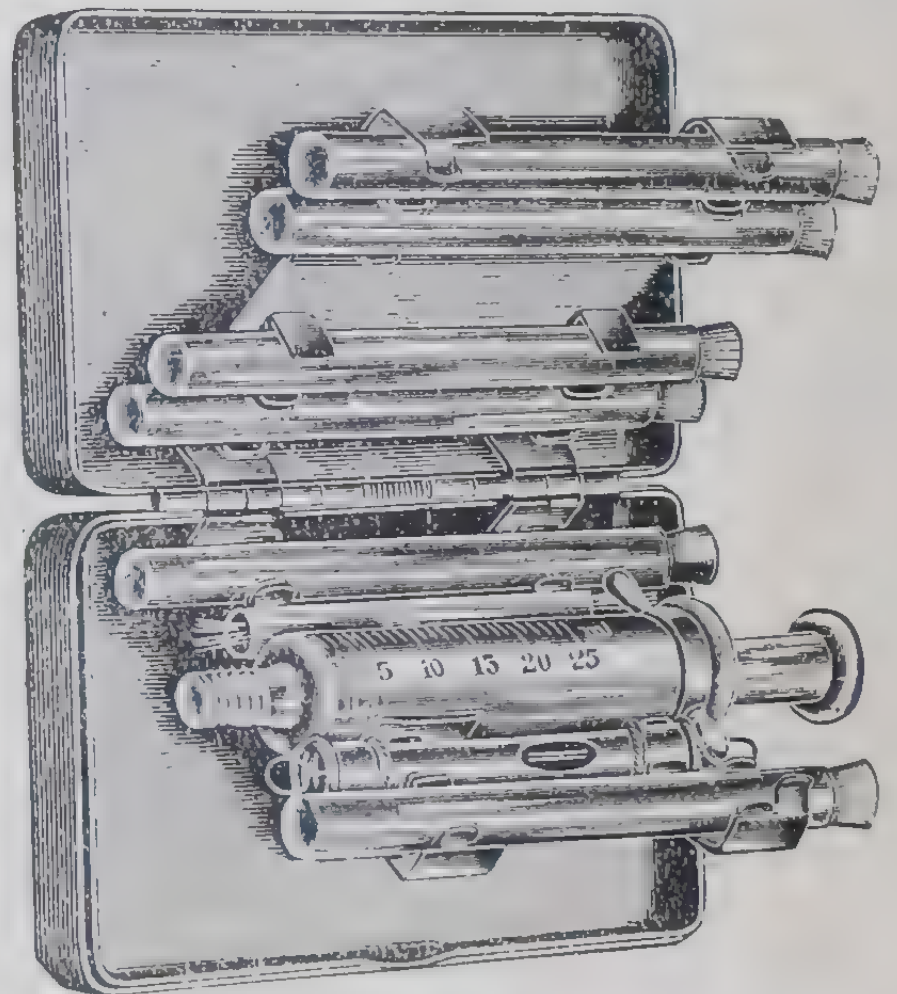
A-660



A-662



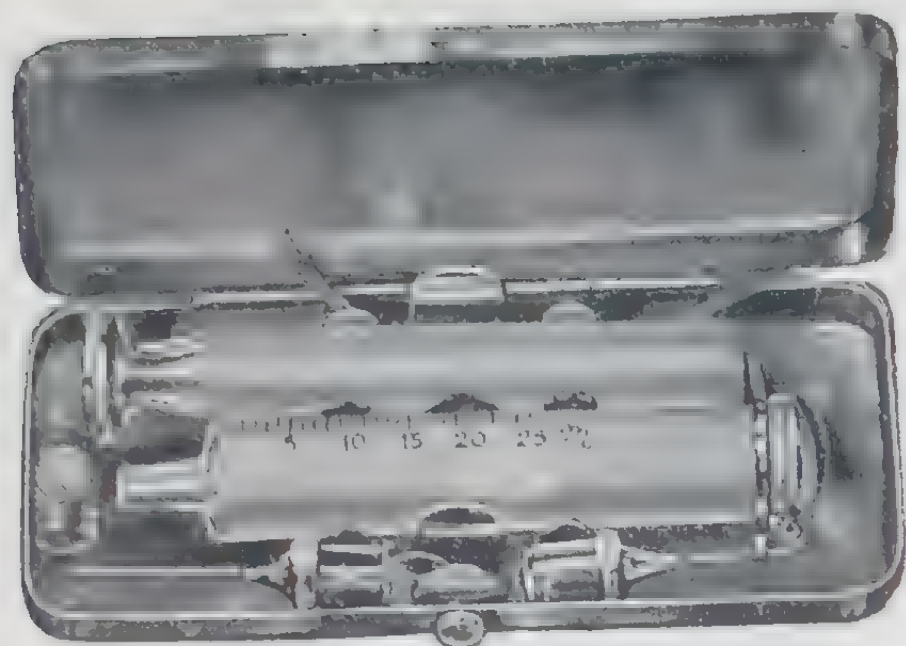
A-665



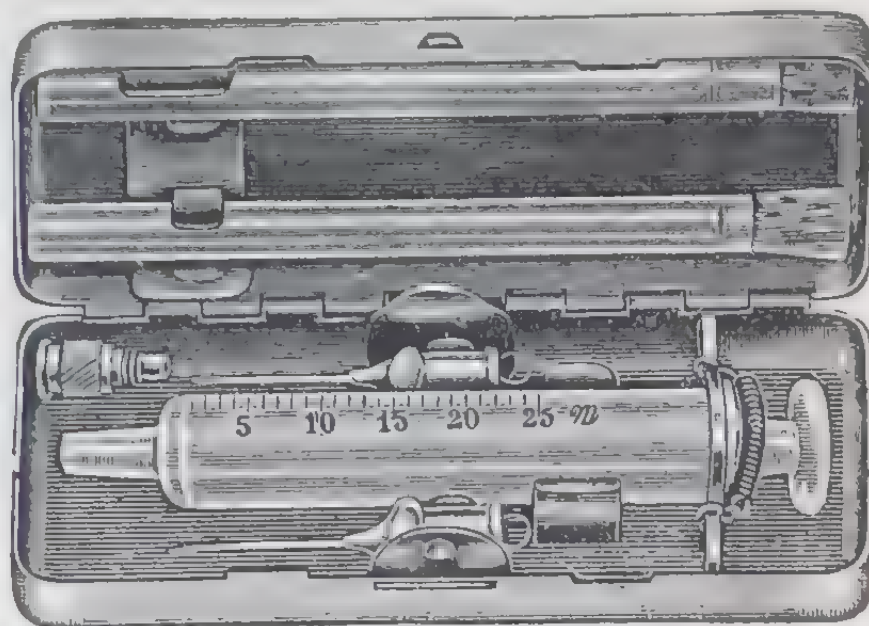
A-668

Antitoxin and Hypodermic Syringes in Cases

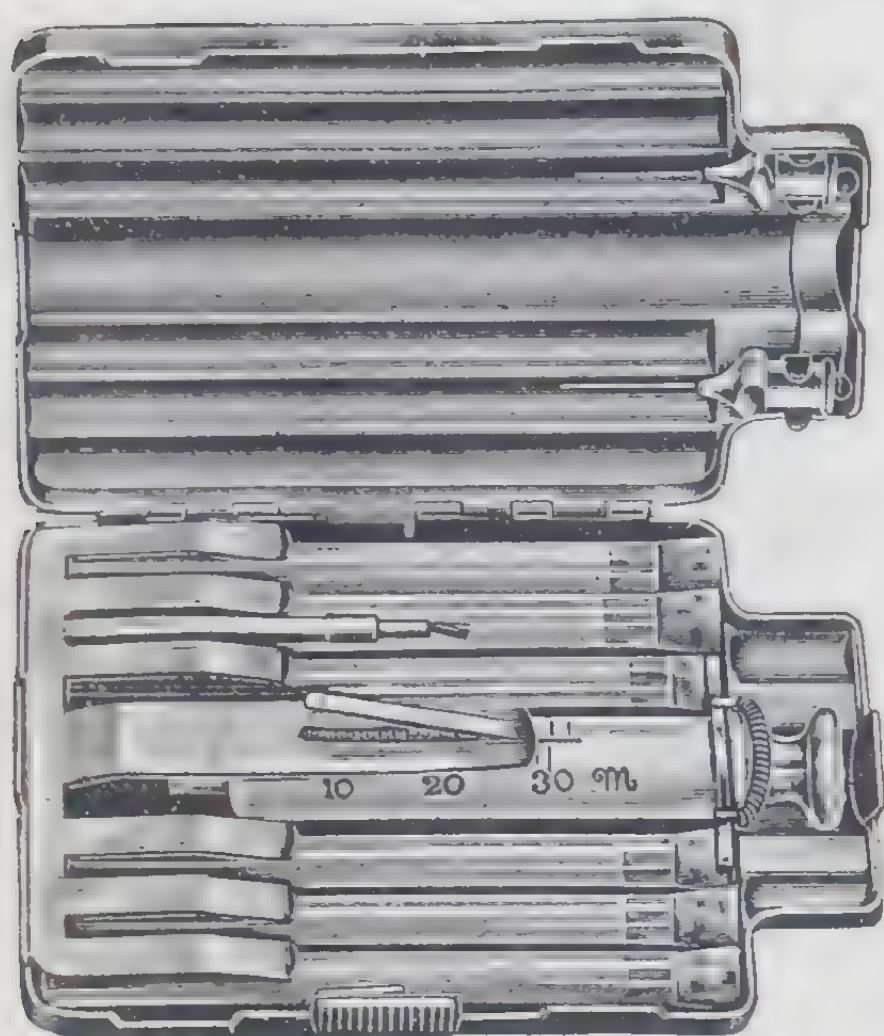
- A-660 **Luer Hospital Set**, in fine metal case containing 7 syringes: 25 mns., 2 cc., 5 cc., 10 cc., 20 cc., $\frac{1}{2}$ cc. Barthelemy's, for gray oils; 1 cc. tuberculin and 16 assorted needles.
- A-622 Hypodermic, glass and metal, 4 vials and 2 needles, in leather case.
- *A-663 Hypodermic, all metal, 4 vials and 2 needles, in leather case.
- A-665 Hypodermic, all glass, 6 vials and 2 needles, in metal case.
- *A-666 Hypodermic, all metal, 6 vials and 2 needles, in metal case.
- *A-667 Hypodermic, glass and metal, 6 vials and 2 needles, in metal case.
- A-668 Hypodermic, glass and asbestos, 6 vials and 2 needles, in metal case.



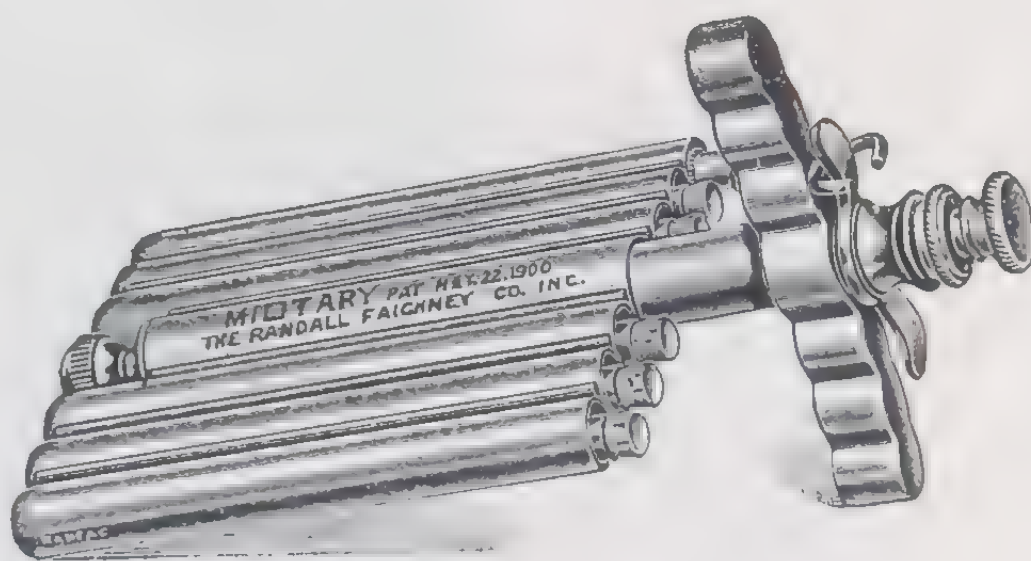
A-670



A-672



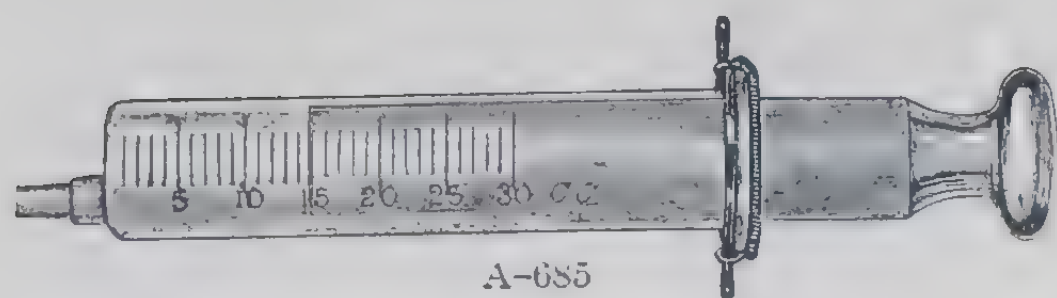
A-675



A-678

Antitoxin and Hypodermic Syringes in Cases

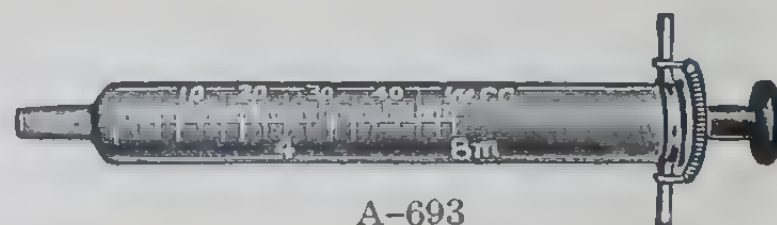
- A-670 Hypodermic, all glass, with 2 needles, in metal case.
- A-672 Hypodermic, all glass, with 2 vials and 2 needles, in metal case.
- A-675 Hypodermic, The **Admiral**, 6 vials and 2 needles, in nickel case.
- *A-676 Hypodermic, The **Admiral**, in heavily gold-plated case.
- A-678 Hypodermic, The **Military**, 5 vials and 2 needles, in nickel case.
- *A-679 Hypodermic, The **Military**, in heavily gold-plated case.



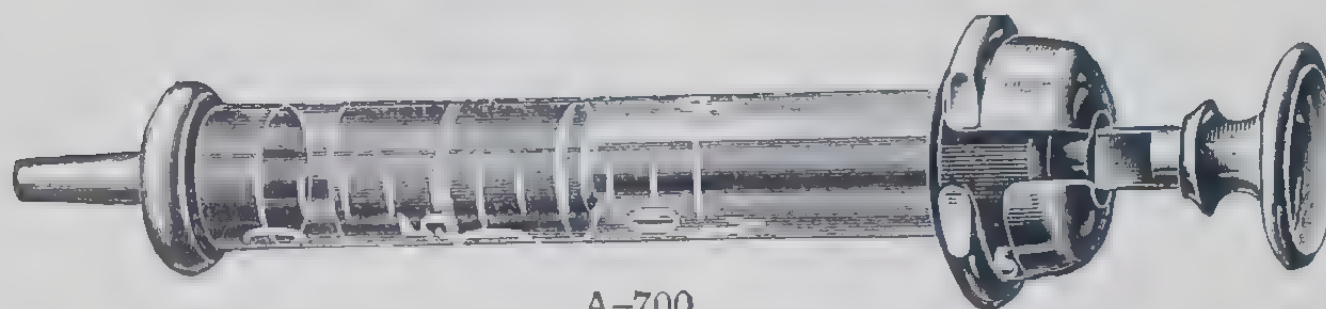
A-685



A-687



A-693



A-700



A-704



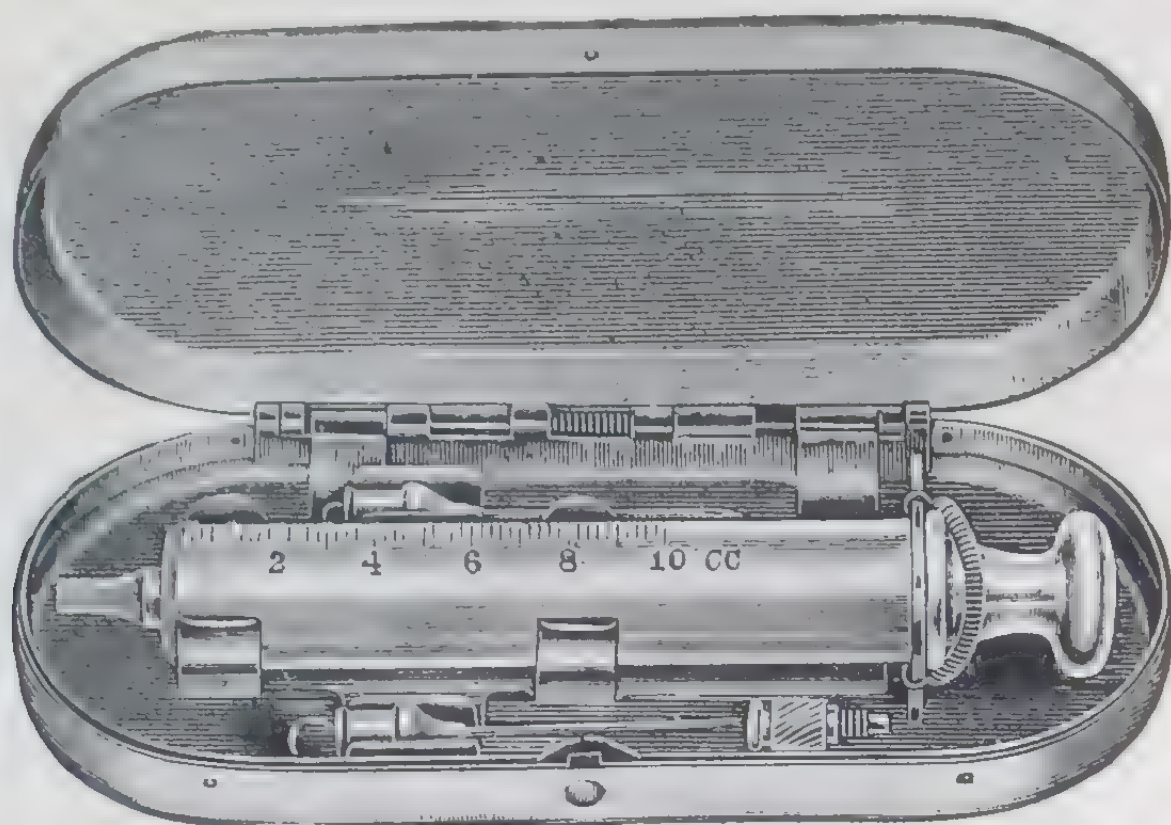
A-706

Antitoxin and Hypodermic Syringes

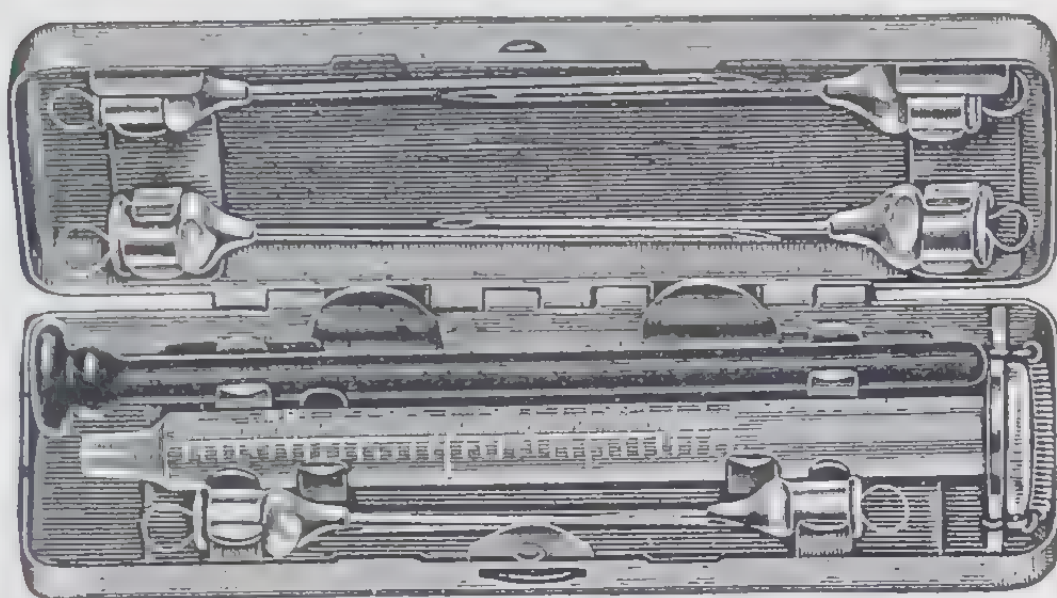
- A-685 All glass, with eccentric Luer tip, 2 cc., 5 cc., 10 cc., 20 cc., 30 cc., 50 cc., 100 cc.
- A-687 All glass, **Barthelemy's**, gray oil, $\frac{1}{2}$ cc., graduated in $\frac{1}{40}$ cc. and mns.
- *A-689 All glass, mercurial oil, graduated in $\frac{1}{100}$ cc. and mns. $\frac{3}{4}$ cc.
- *A-691 All glass, precision, graduated in $\frac{1}{20}$ cc. and mns. $1\frac{1}{2}$ cc. and 2 cc.
- A-693 All glass, tuberculin, graduated in $\frac{1}{100}$ cc. and mns. $\frac{1}{4}$ cc., $\frac{1}{2}$ cc., 1 cc.
- A-700 Record Precision Syringes only, 1 cc., 2 cc., 5 cc., 10 cc., 20 cc., 30 cc.
- *A-702 Record Precision Syringes, in metal cases, with 2 needles, 1 cc., 2 cc., 5 cc., 10 cc., 20 cc., 30 cc.
- A-704 Record Precision Syringe only, tuberculin, $\frac{1}{2}$ cc. and 1 cc., or in metal cases.
- A-706 Record Precision Syringe Set, in fine metal case, containing 5 syringes, 1 cc., 2 cc., 5 cc., 10 cc., 20 cc., and 20 assorted needles.



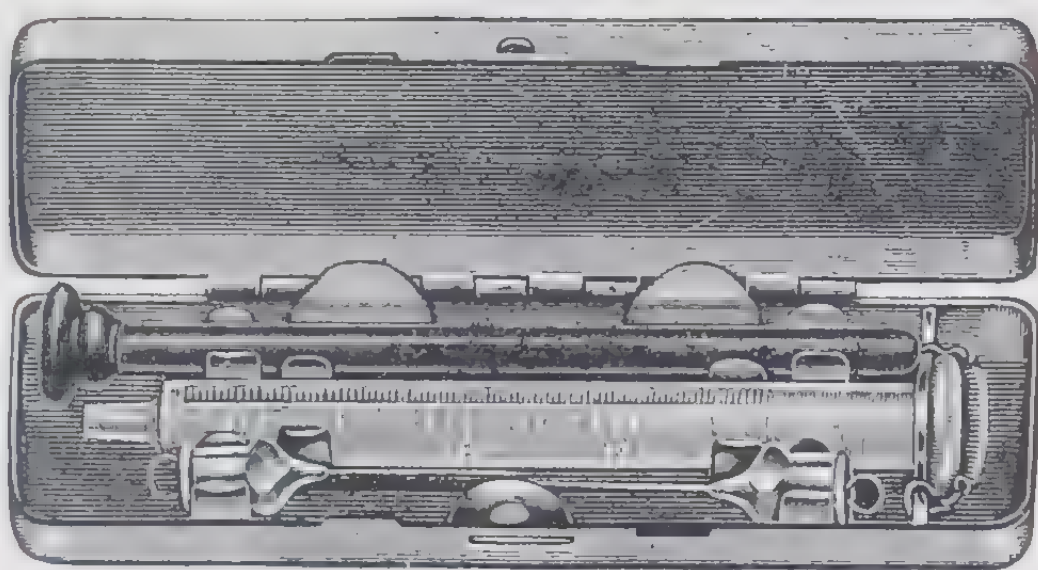
A-710



A-715



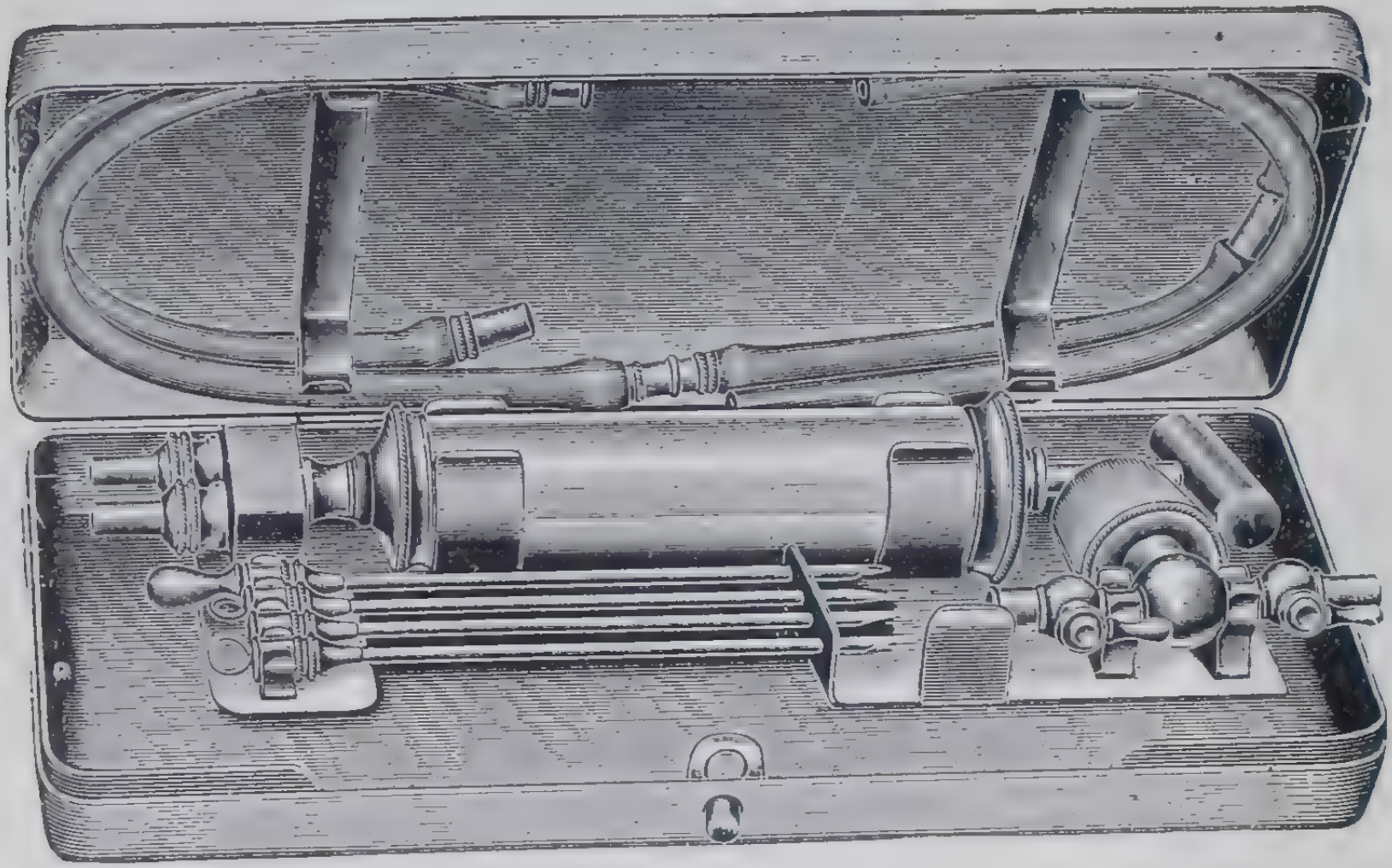
A-725



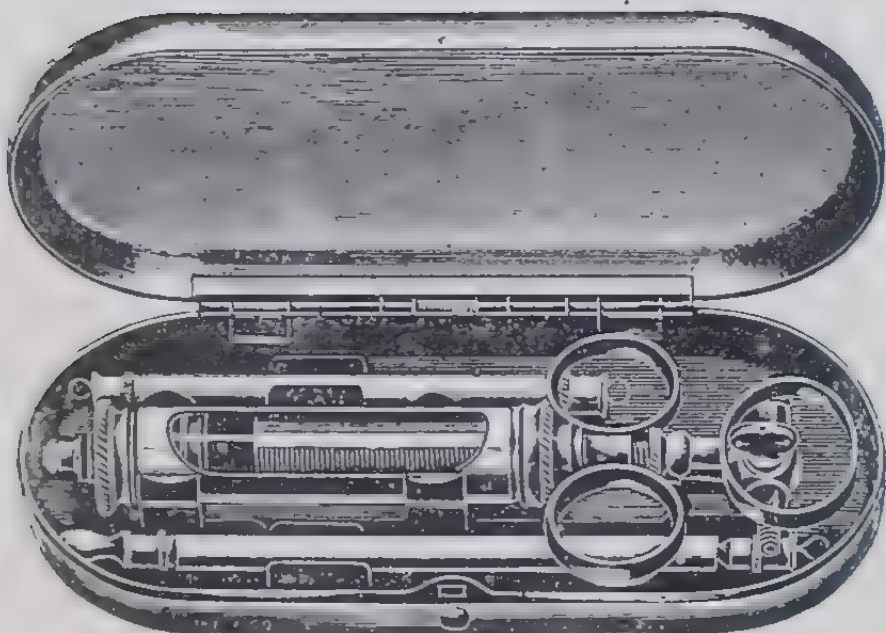
A-735

Antitoxin and Hypodermic Syringes in Cases

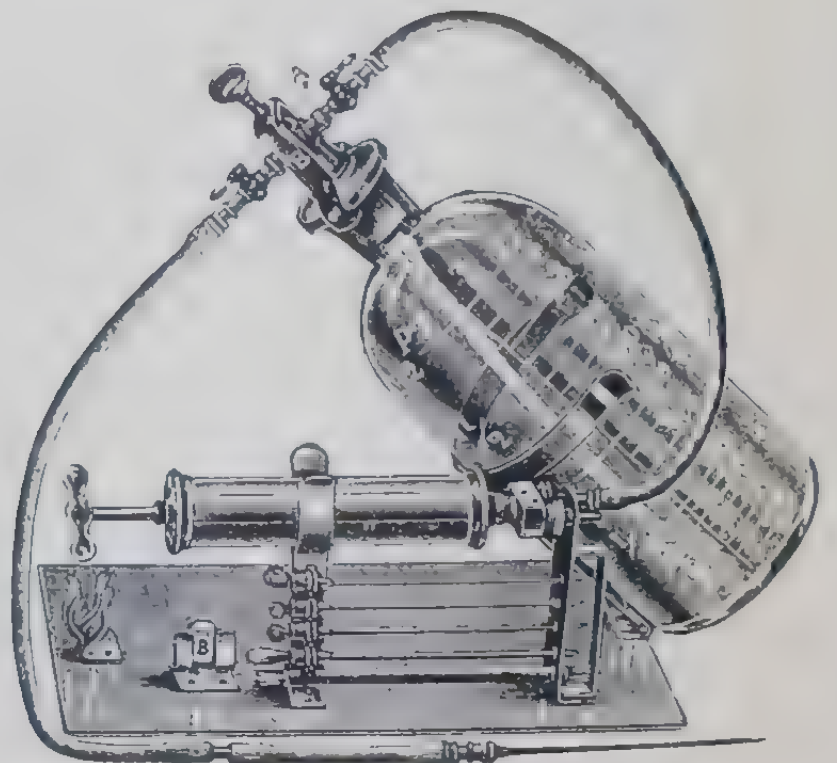
- A-710 Hypodermic Syringe, with gold needle and 1 minute thermometer.
- A-715 Antitoxin, all glass, with two needles, in metal case, 5 cc., 10 cc., 20 cc., 30 cc.
- *A-720 Gray oil, **Barthelemy's**, all glass, graduated in mns. and 1/40 cc., with 2 needles, in metal case, 1/2 cc. capacity.
- A-725 Mercurial oils, all glass, graduated in mns. and 1, 100 cc., with 6 needles, in metal case, 3/4 cc. capacity.
- *A-730 Precision Syringes, all glass, graduated in mns. and 1, 20 cc., with 2 needles, in metal case, 1 1/2 cc. and 2 cc. capacity.
- *A-735 Tuberculin, **Fornier's**, all glass, graduated in mns. and 1/100 cc., with 2 needles, in metal case, 1/4 cc., 1/2 cc., 1 cc. capacity.



A-756-757



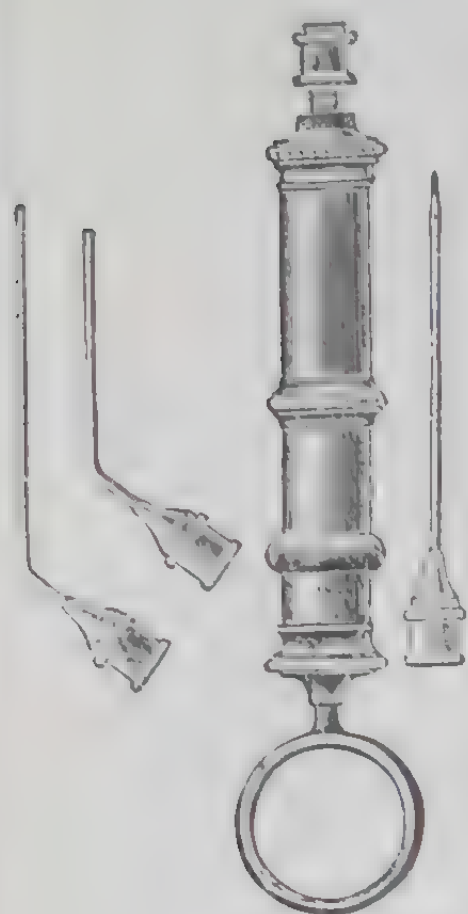
A-753-754



A-765-766

Aspirating Syringes

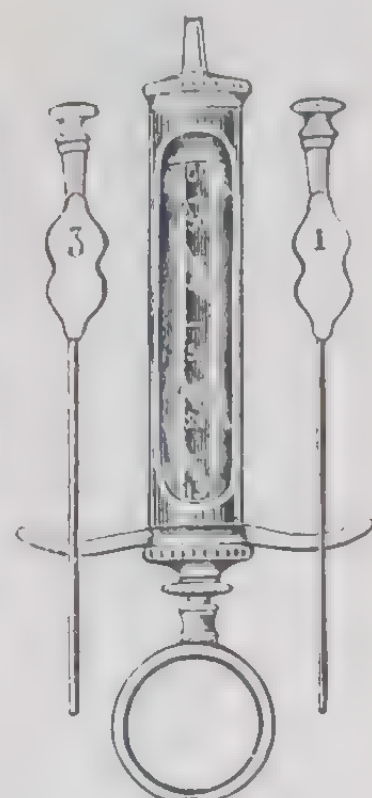
- *A-750 Pocket Aspirator, 3 drachm, glass and metal, 3 needles, trocar and two-way stopcock, in leather case.
- *A-751 Pocket Aspirator, same as above, but with all metal syringe.
- A-753 Pocket Aspirator, 3 drachm, glass and metal, 3 needles, trocar and two-way stopcock, in metal case.
- A-754 Pocket Aspirator, same as above, but with all metal syringe.
- A-756 **Potain's** Aspirator, with leather plunger, in metal case.
- A-757 **Potain's** Aspirator, with metal plunger, in metal case.
- *A-759 **Potain's** Aspirator, with metal plunger, set of 3 extra trocars, canulae, obdurators with stuffing boxes and stopcocks.
- A-765 **Potain's** Aspirator, Haslam's as shown, pump with leather plunger, complete in case.
- A-766 **Potain's** Aspirator as above, pump with metal plunger.



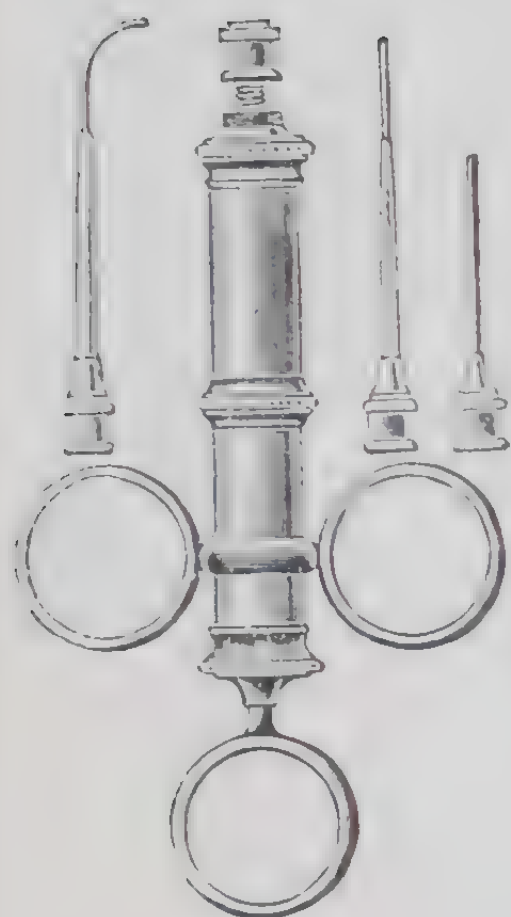
A-780



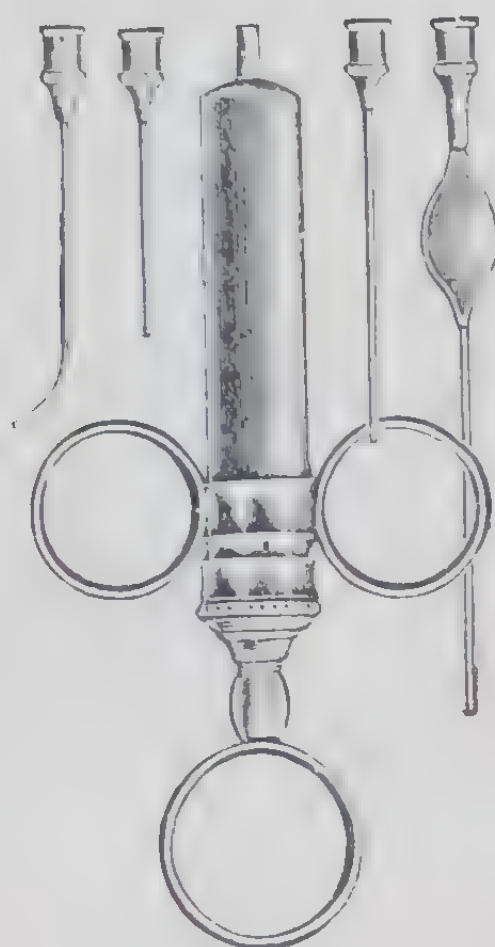
A-786



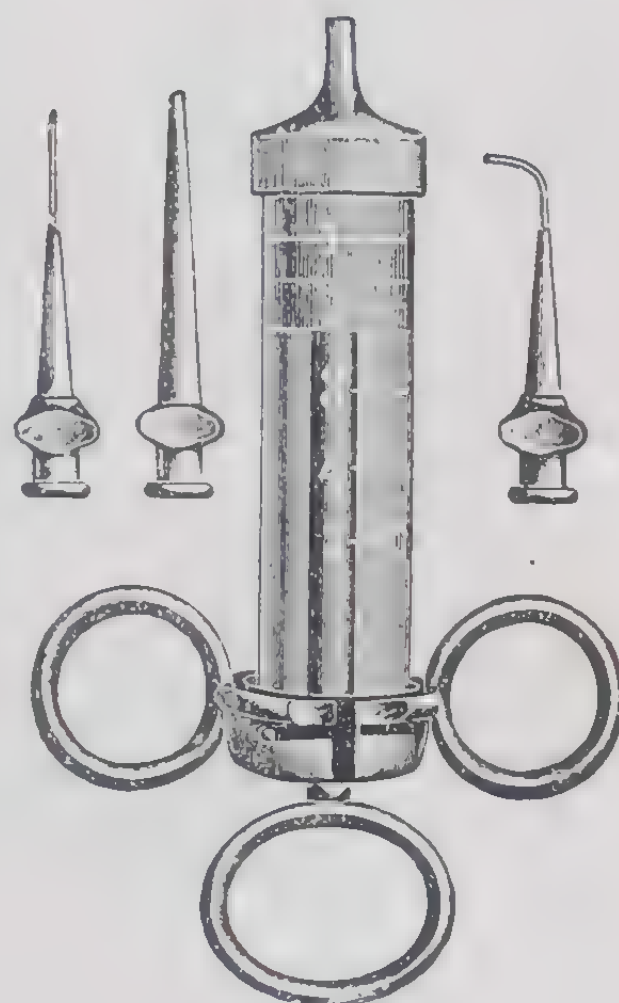
A-784



A-782



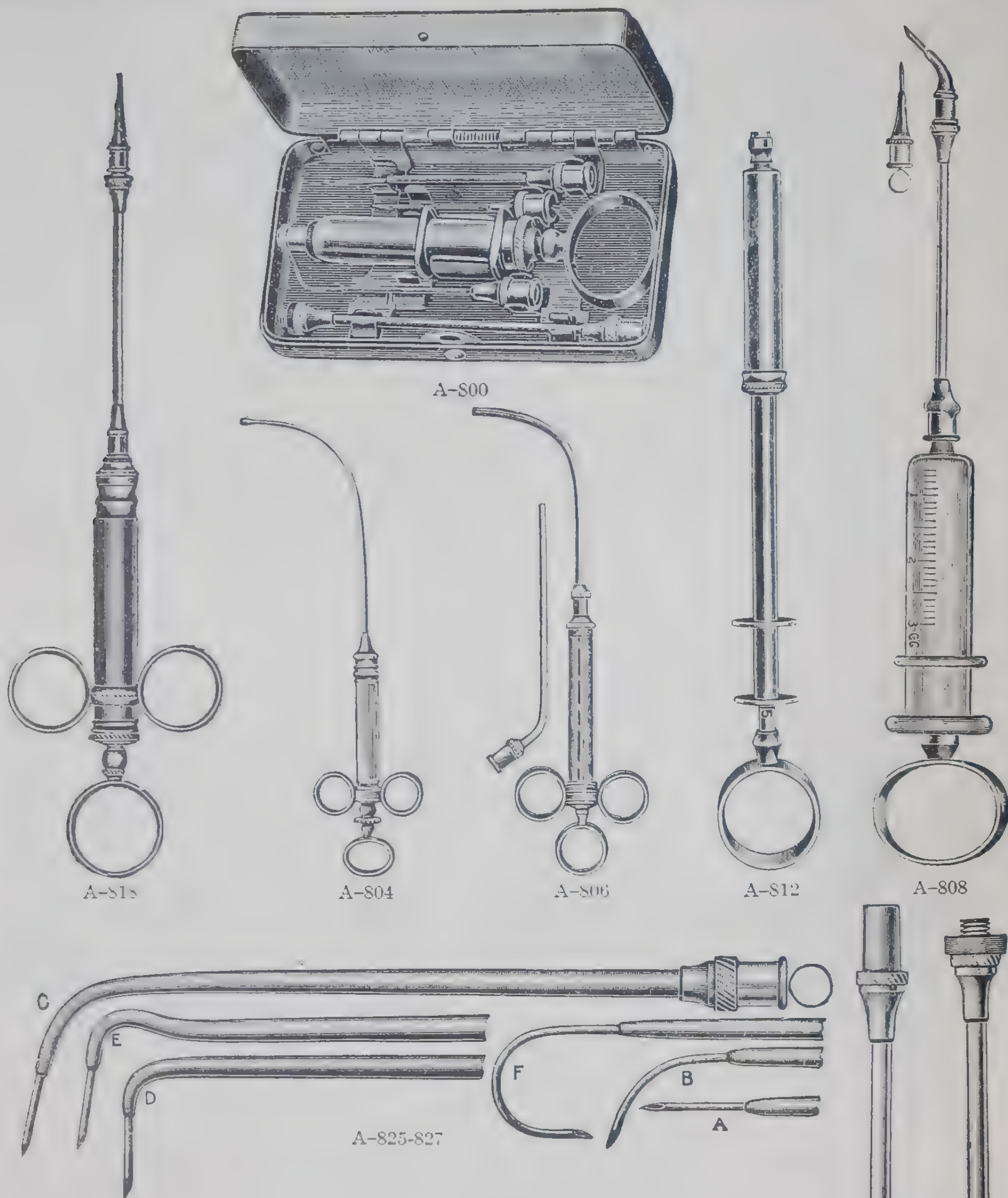
A-788



A-790

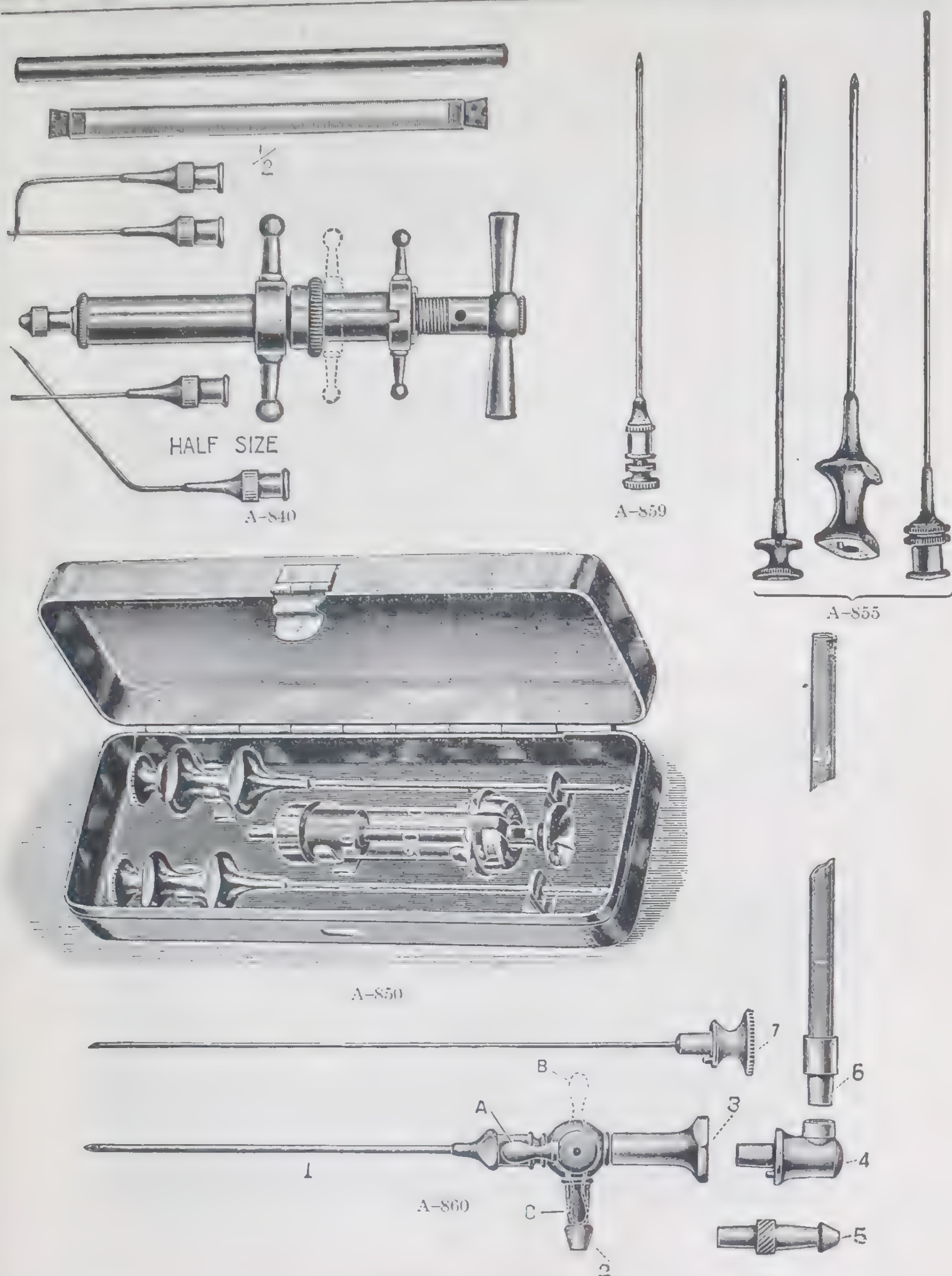
Lachrymal Syringes

- A-780 **Agnew's**, all metal, with 1 hypo and 2 silver canulae, in case.
- *A-781 **Colton's**, with lachrymal canula only.
- A-782 **Anel's**, all metal, with 3 silver canulae, in case.
- A-784 **De Schweinitz**, glass and metal, with 2 silver canulae, in case.
- A-786 **Luer's**, all glass, with 3 gold canulae, in case.
- A-788 **Risley's**, all metal, with 4 silver canulae, in case.
- A-790 **Record**, glass and metal, with 3 canulae, in case.
- *A-792 **Will's**, eye hospital, all metal, with 3 silver canulae, in case.
- *A-794 **Ziegler's**, all glass, with 3 gold canulae, in case.



Laryngeal and Tonsil Syringes

- A-800 All metal, with straight and curved needle, and extension, in metal case.
- A-804 **Cube's**, all metal with one laryngeal canula.
- A-806 **Fraenkel's**, glass and metal with 2 laryngeal canulae.
- A-808 **Luer's**, all glass, with 2 needles and extension, in case.
- *A-809 **Luer's**, all glass, syringe only.
- A-812 **Pyncheon-Goddard's**, all metal, with straight and curved needle, in case.
- *A-814 Record, with one laryngeal canula.
- *A-816 Record-Alexander, with 7 assorted tonsil points, in case.
- A-818 **Street's**, all metal, with straight and curved needle, and extension 30 mns. and 2 drachms.
- *A-820 **Tobold's**, glass and metal, with one laryngeal canula.
- A-825 Tonsil needle, Horton's, with standard thread, Fig. F
- A-827 Tonsil needles, Vail's, Fig. A. B. C. D. E.
- A-830 Tonsil syringe extension, for standard thread or Luer tip.

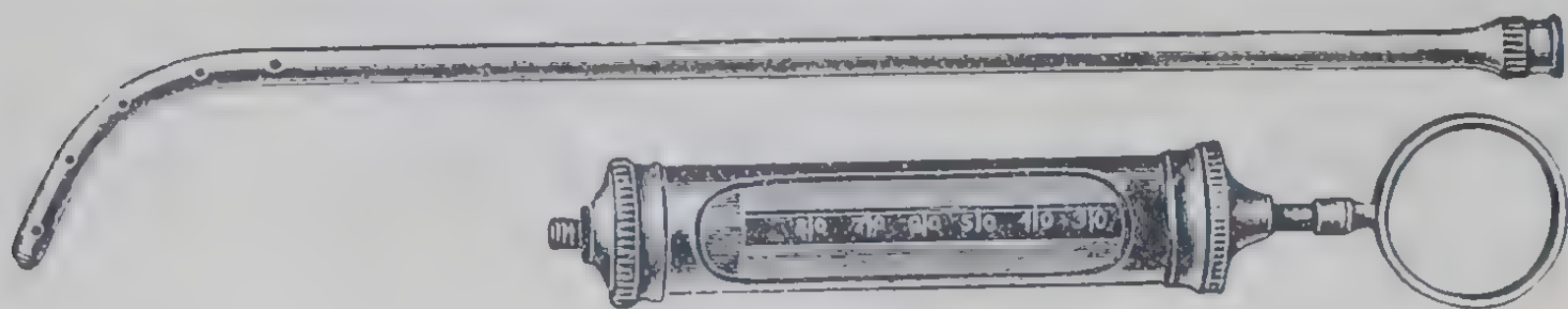


Paraffin Syringes

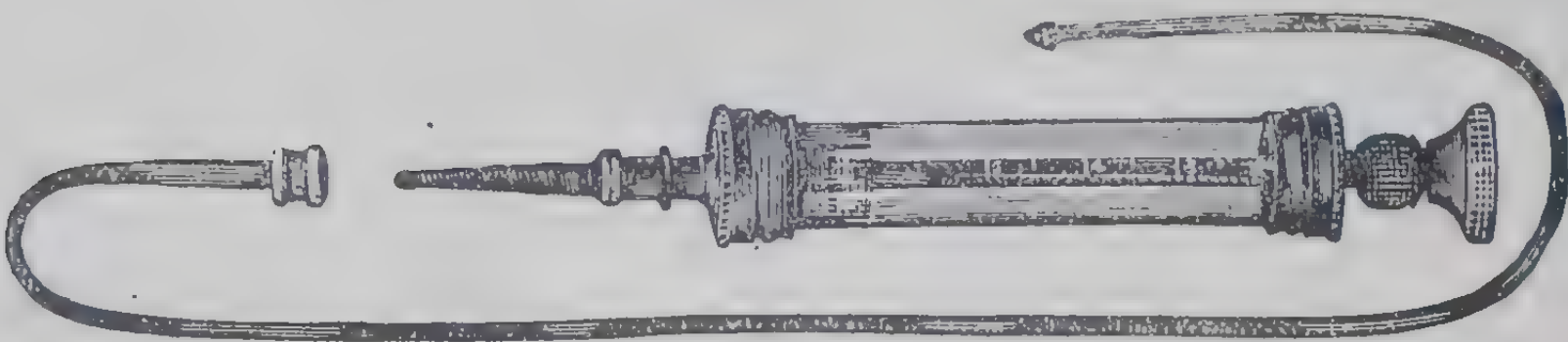
- A-840 Beck's, original, with 4 needles and 4 tubes of paraffin, in oak case.
- *A-842 Harmon Smith's, with 2 needles, in case.
- *A-843 Harmon Smith's sterile paraffin, melting point 110-F., in glass tube.
- *A-845 Onidi's, with 4 needles and 6 tubes of paraffin, in oak case.

Spinal Anaesthesia Syringes, Trocar Needles and Canulae

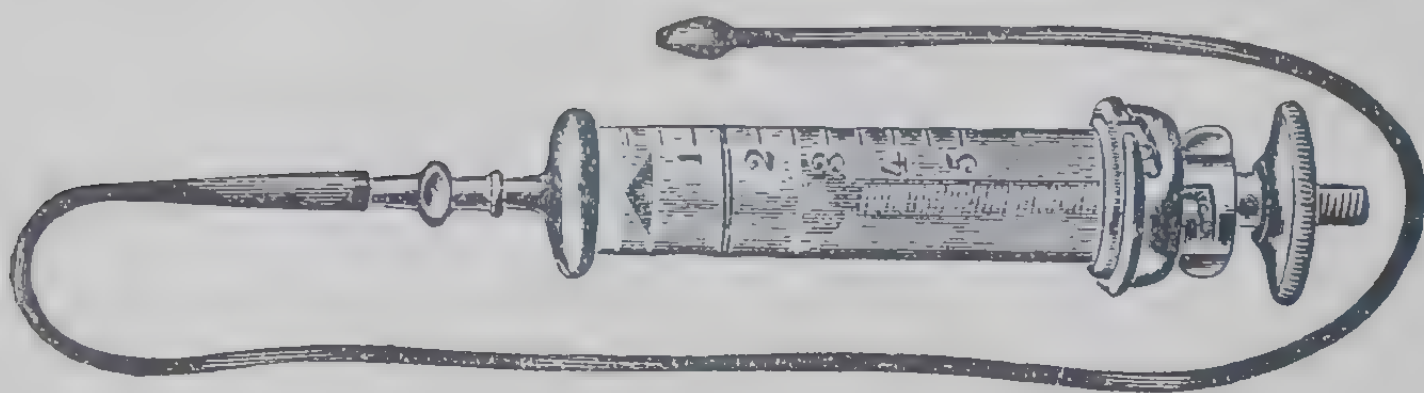
- A-850 Bier's-Record, 2 cc. with 2 long steel needles, in metal case.
- A-855 Barker's trocar needle and nickel canula to fit Luer or Record syringes.
- *A-857 Bier's trocar needle.
- A-859 Quincke's trocar needle, to fit Luer syringe.
- A-860 Wolfsohn's lumbar puncture needle, with stop cock, with or without manometer.



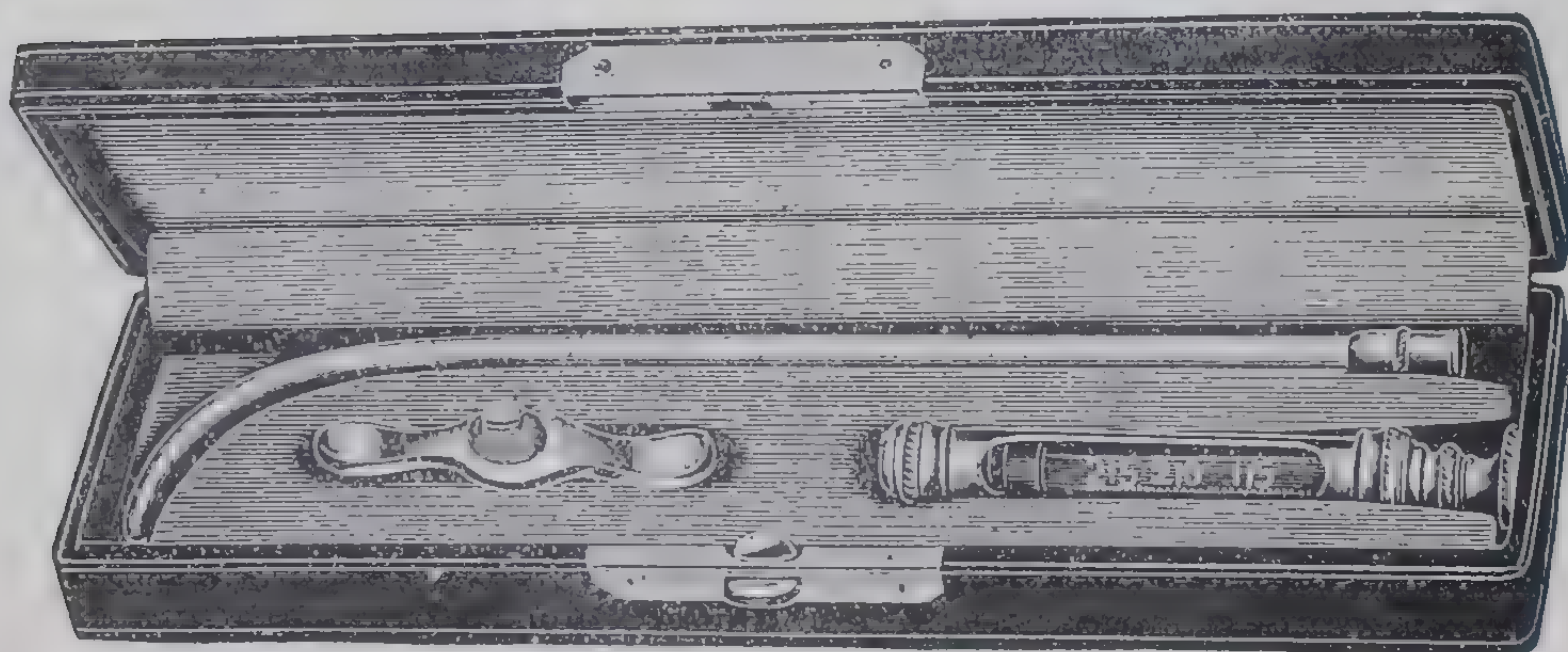
A-880



A-885



A-890



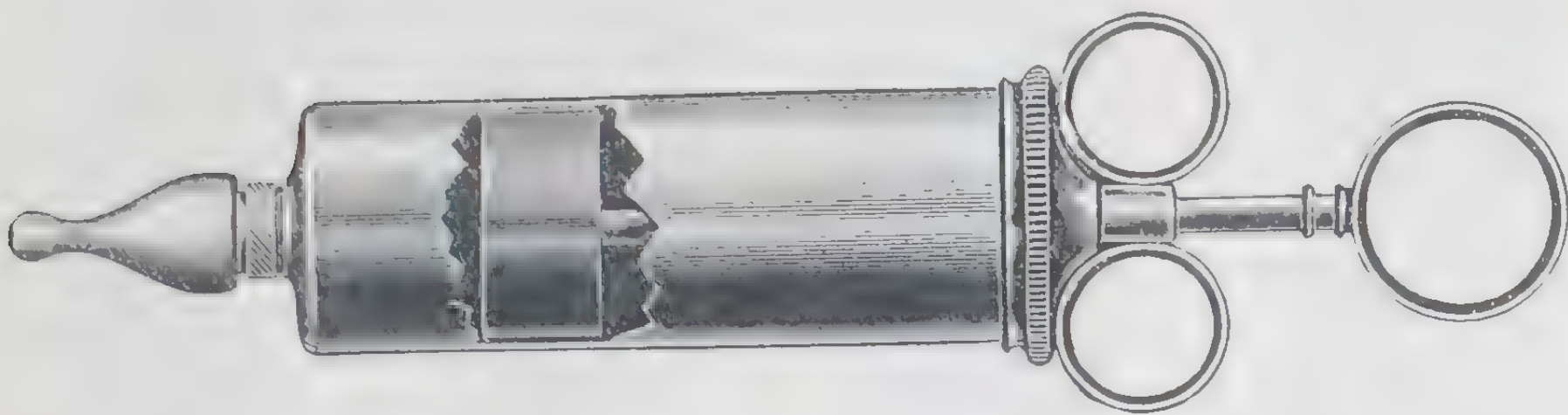
A-898-900

Urethral Syringes

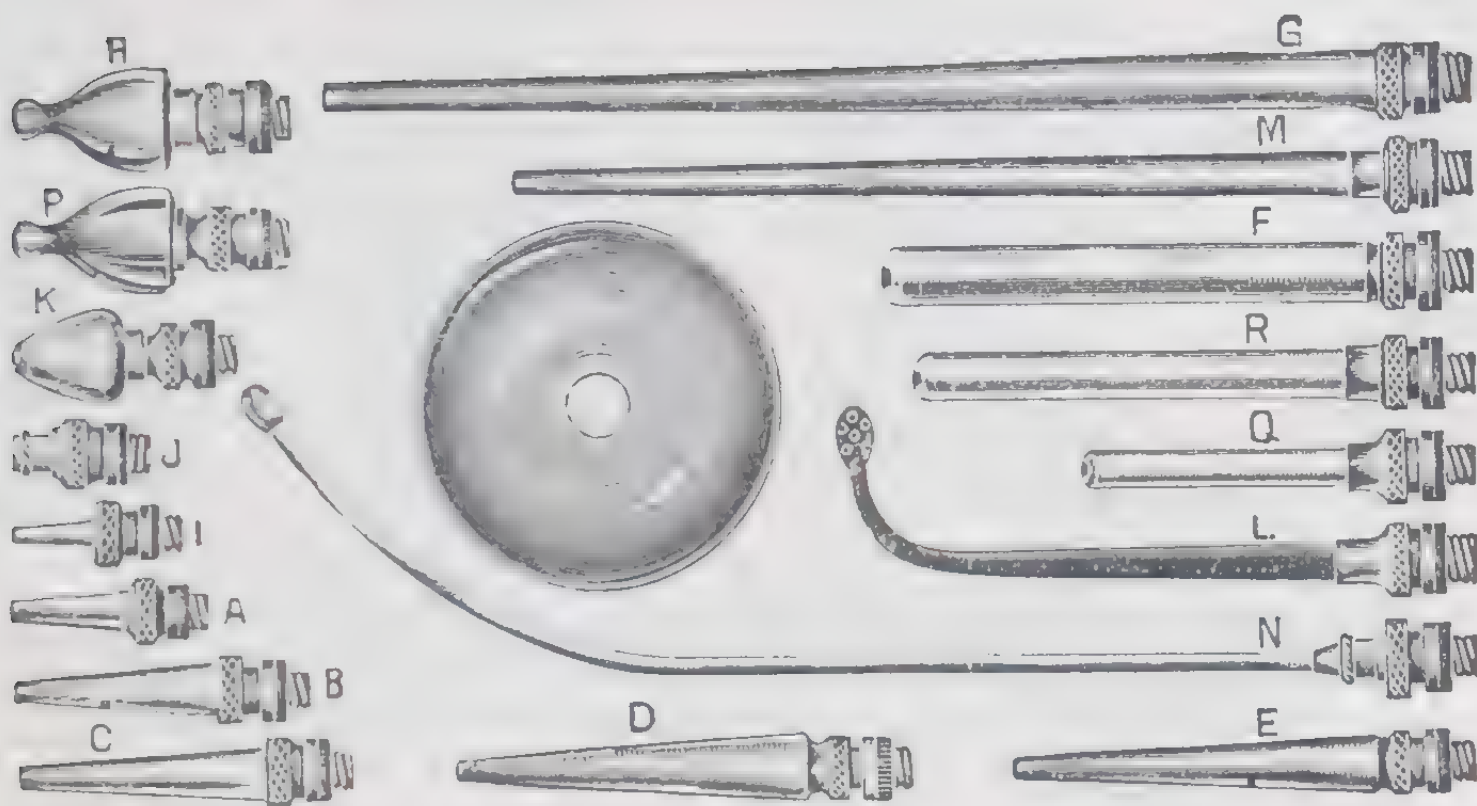
- A-880 Bumstead's, glass and metal, with canula.
- A-885 Guyon's, with 1 drop tube, in case.
- A-890 Guyon-Record, with 1 drop tube, in metal case.
- *A-895 Keyes-Ultzmann's, all glass, plated tube, with or without case.
- *A-896 Keyes-Ultzmann's, all glass, silver tube, with or without case.
- A-898 Keyes-Ultzmann's, glass and metal, or all metal, plated tube, with or without case.
- A-900 Keyes-Ultzmann's, glass and metal, or all metal, silver tube, with or without case.



A-920



A-930



A-935

Uterine Syringes

- A-920 Braun's, glass and metal, with intra uterine canula.
 *A-921 Braun's-Record, 2 cc. and 5 cc. with intra uterine canula.

Syringes and Tips for Injecting all Cavities

- A-930 All metal syringes only, $\frac{1}{4}$, $\frac{1}{2}$, 1, 2, 3, 4, 6 and 8 ounce.
 A-935 All metal tips, to fit the above syringes, A to W.
 A-935 All metal shield, to fit the above syringes.



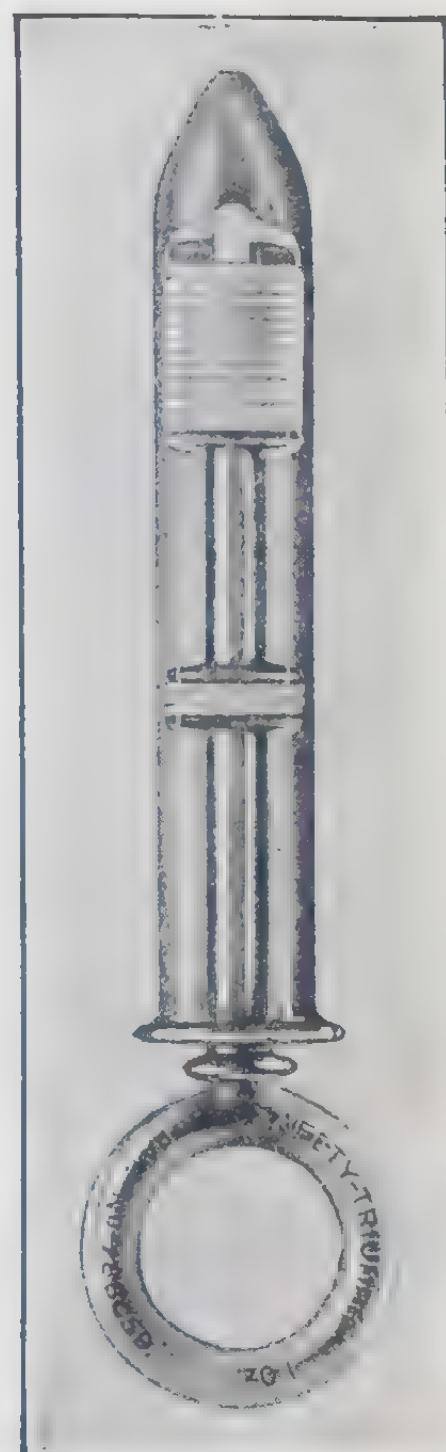
A-950



A-960



A-961



A-963

Syringes for Bladder, Bismuth Paste and General Injections

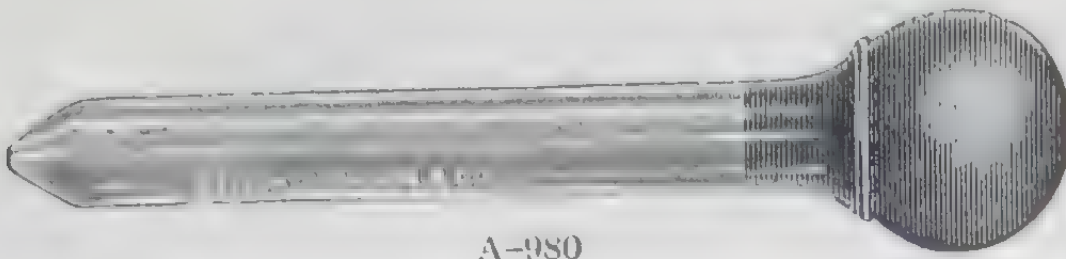
A-950 **Janet-Frank's** Bladder, with 2 tips, 30 cc., 50 cc., 100 cc., 150 cc., 200 cc.

A-960 **Safety-Triumph**, Cavity, glass syringes with mineral packing, straight point, $\frac{1}{2}$, 1, $1\frac{1}{2}$, 2, 3 and 4 ounce.

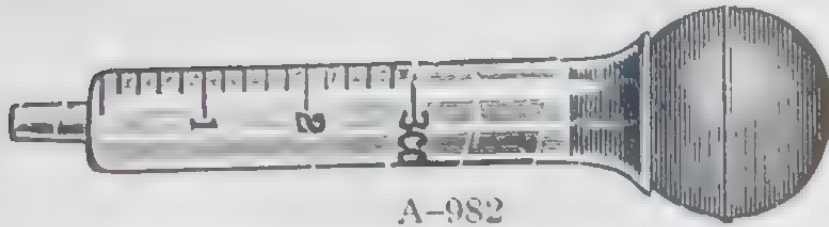
A-961 **Safety-Triumph**, Cavity, glass syringes with mineral packing, curved point, 1 and 2 ounce.

A-963 **Safety-Triumph**, Superficial, glass syringes with mineral packing, straight point, 1, 2, 3 and 4 ounce.

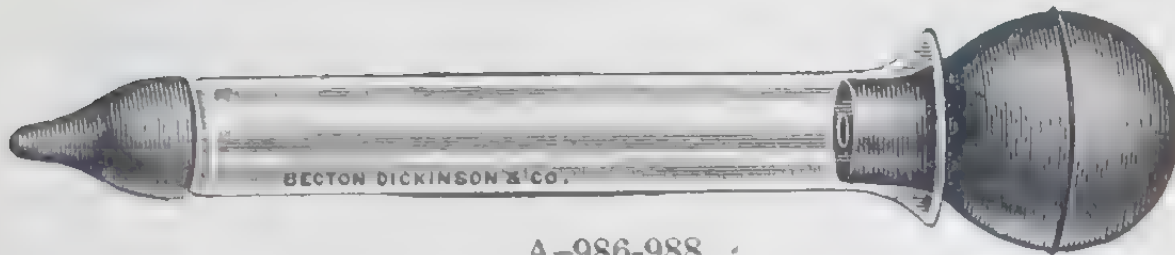
*A-964 **Safety-Triumph**, Superficial, glass syringes with mineral packing, curved point, 1 and 2 ounce.



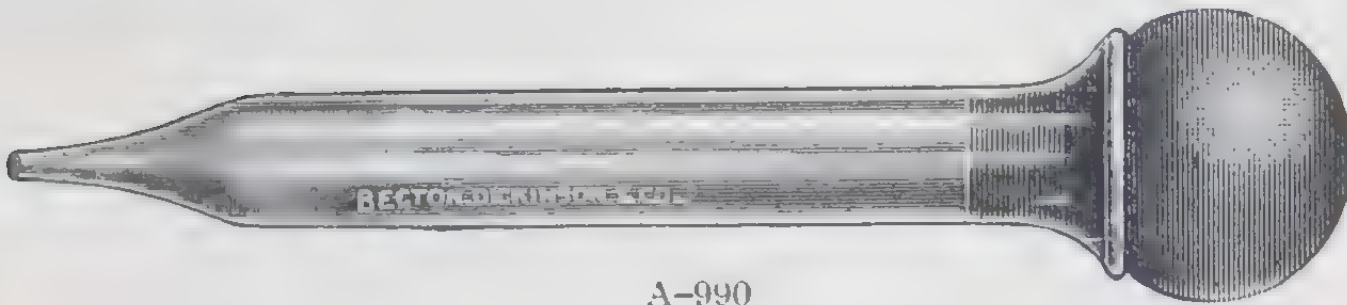
A-980



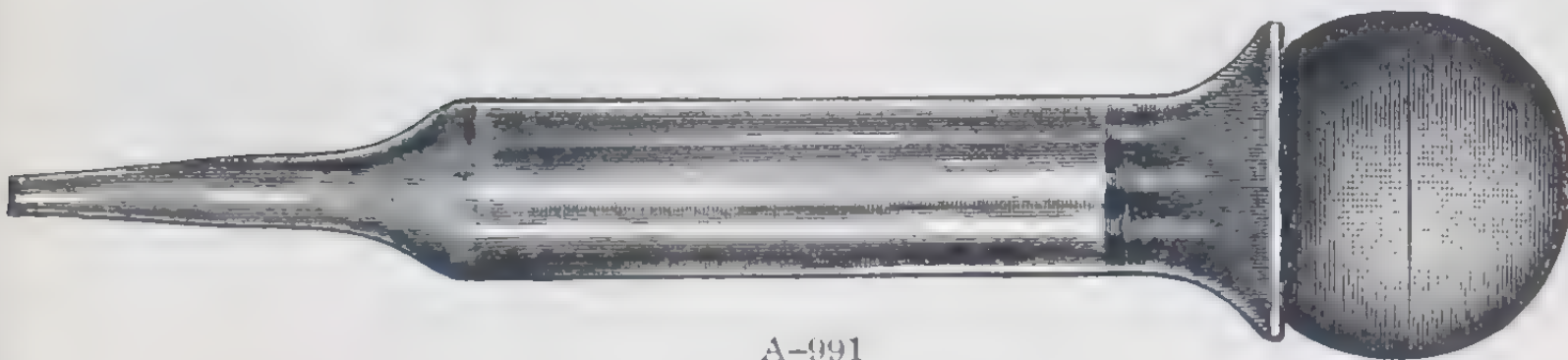
A-982



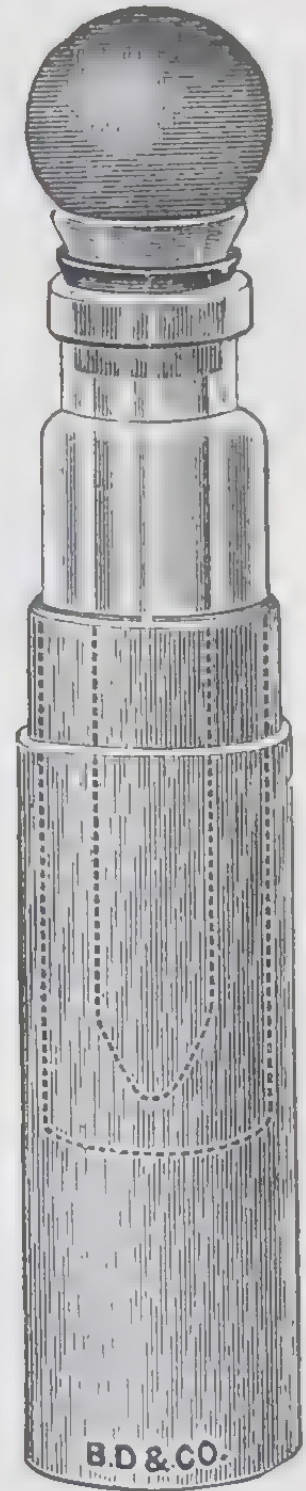
A-986-988



A-990



A-991

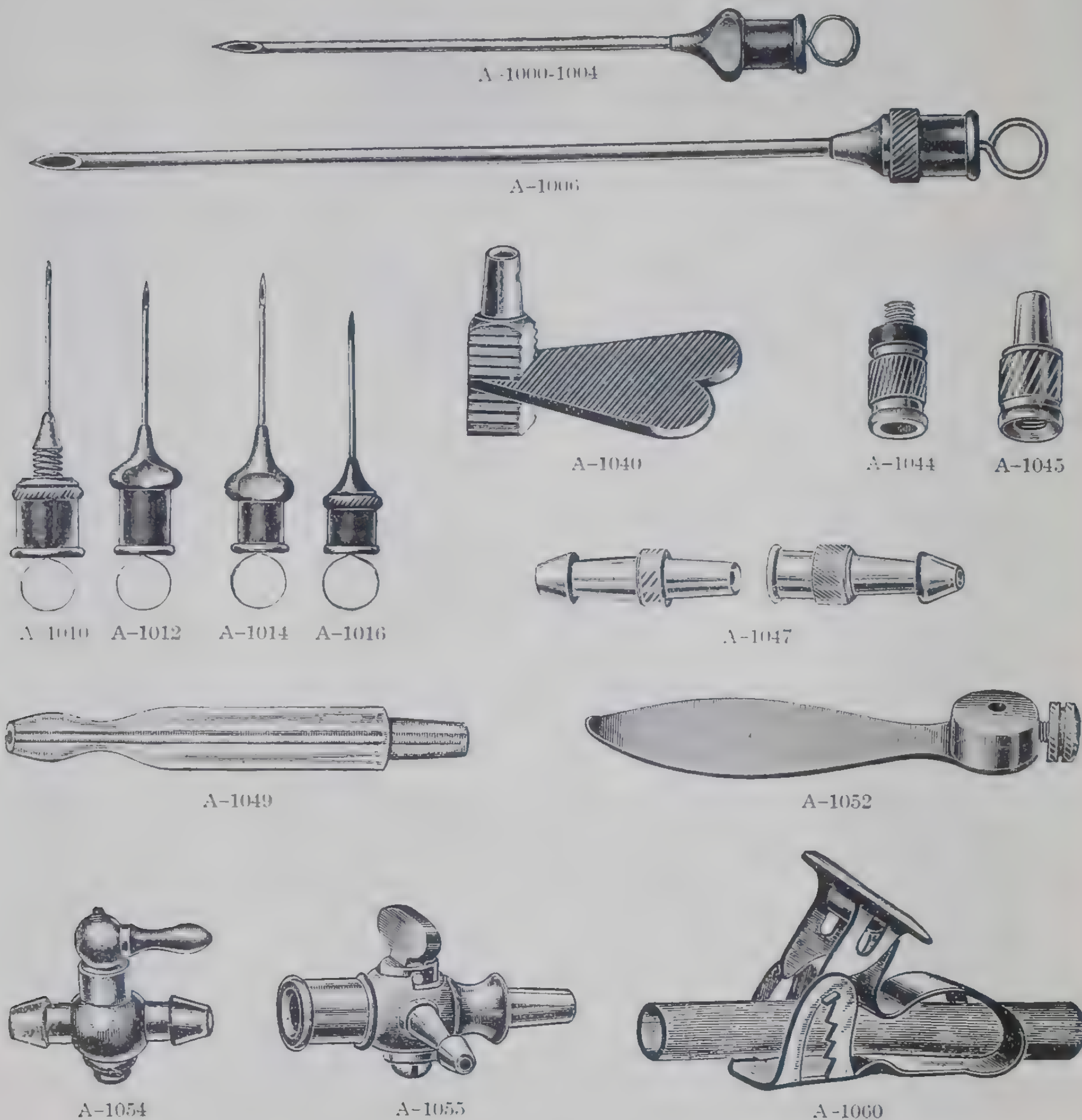


A-984

Syringes, Plungerless, for General Injections

- A-980 **Asepto**, Cone tip, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$ and 1 ounce.
- A-982 **Asepto**, Luer tip, graduated, 3 cc. capacity.
- A-984 **Asepto**, Patient's, in wooden box, $\frac{1}{8}$ and $\frac{1}{4}$ ounce.
- A-986 **Asepto**, Soft rubber tip, $\frac{1}{8}$, $\frac{1}{4}$ and $\frac{1}{2}$ ounce.
- A-988 **Asepto**, Soft rubber tip, for ear work, 1 and $1\frac{1}{2}$ ounce.
- A-990 **Asepto**, Wound and general office work, $\frac{1}{2}$ ounce.
- A-991 **Asepto**, Wound and general hospital work, 1 and $1\frac{1}{2}$ ounce.

STANDARD SURGICAL INSTRUMENTS



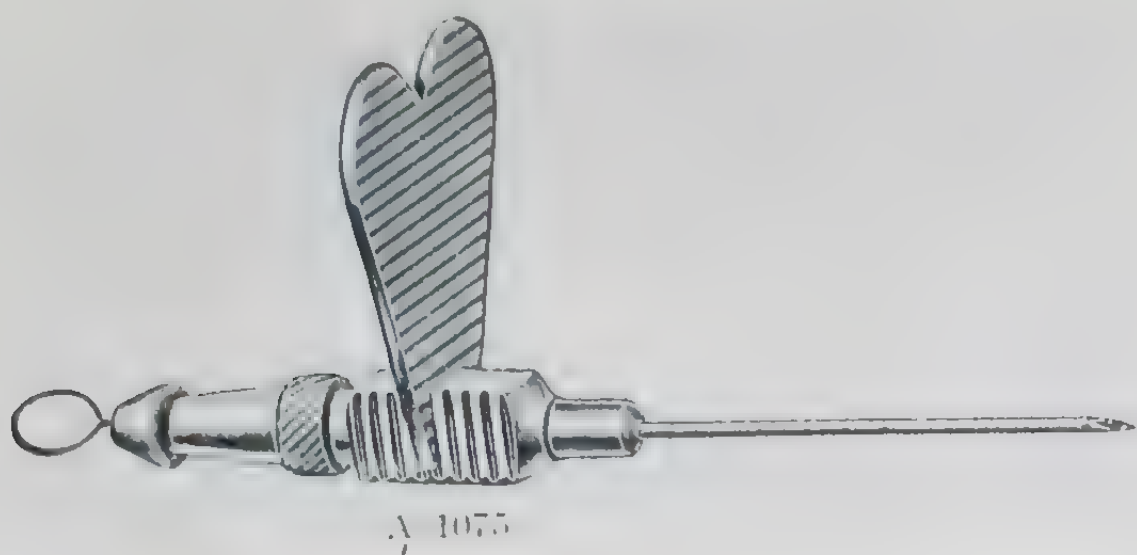
Antitoxin, Aspirating and Hypodermic Needle

		GAUGE
A-1000	Antitoxin, with Luer or with standard thread hub.....	19 to 22
A-1004	Aspirating, with Luer or with standard thread hub.....	15 to 18
A-1006	Aspirating, Potain's	13 to 17
A-1010	Hypodermic, for glass threaded or Sub-Q tip.....	23 to 27
A-1012	Hypodermic, with Luer hub.....	23 to 28
A-1014	Hypodermic, with Record hub.....	23 to 27
A-1016	Hypodermic, with standard thread hub.....	23 to 28

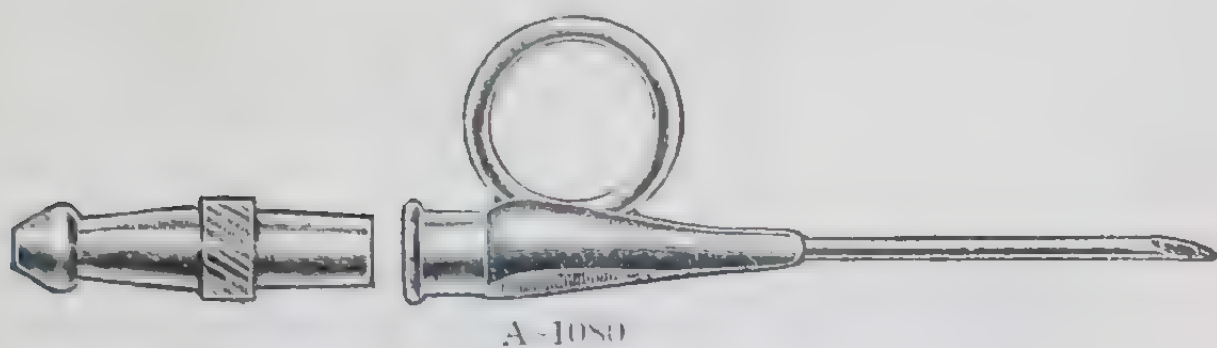
For Lengths see Price List

Adapters, Connections, Holders and Stopcocks

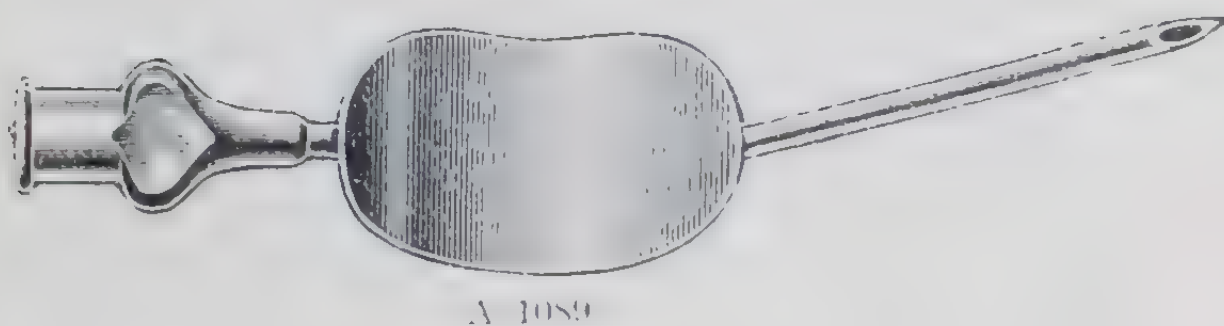
A-1040	Adapter, Fordyce's .
A-1044	Adapter, Luer hub, with standard thread.
A-1045	Adapter, standard thread hub, with Luer tip.
A-1047	Connection, male and female.
A-1049	Connection, glass, Luer observation tube.
A-1052	Holder, Swift's , for large gauge needles.
A-1054	Stopcock, two way, with tubing connections.
A-1055	Stopcock, three way, to fit Luer needles and syringes.
*A-1056	Stopcock, three way, with tubing connections.
A-1060	Tubing cut-off, Daval's .



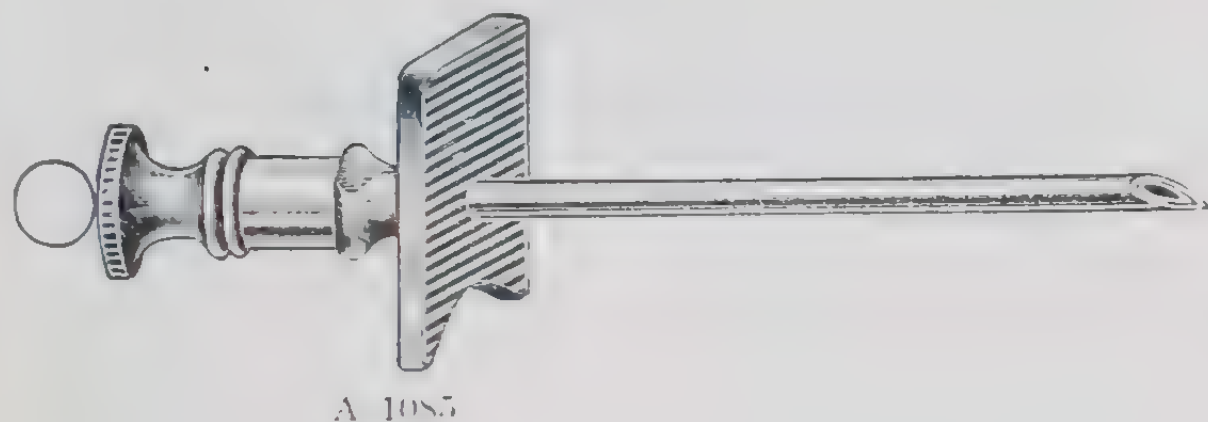
A-1075



A-1080



A-1089



A-1085



A-1082



A-1087

Haemorrhoidal, Hernia, Transfusion and Salvarsan Needles

A-1075 **Fordyce's** salvarsan, with tubing connection, $1\frac{1}{4}$ inches, No. 20 gauge.

A-1080 **Graeser's** salvarsan, with tubing connection, 1 inch, No. 22 gauge.

A-1082 Haemorrhoidal or Hernia, with adjustable sleeve.

*A-1084 **Kaliski's** transfusion, trocar point, 2 inches, 18 gauge; $2\frac{1}{4}$ inches, 15 gauge; $2\frac{1}{2}$ inches, 13 gauge.

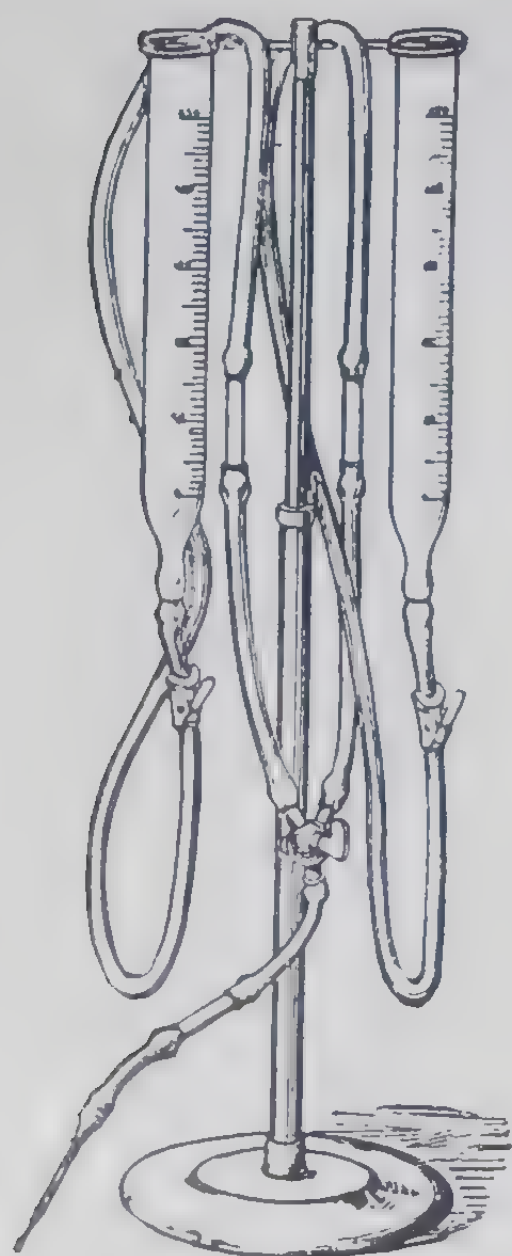
A-1085 **Kaliski's** transfusion, with canula stylet, $1\frac{7}{8}$ inches, 15 and 18 gauge.

A-1087 **Lindeman's** transfusion needle and trocar.

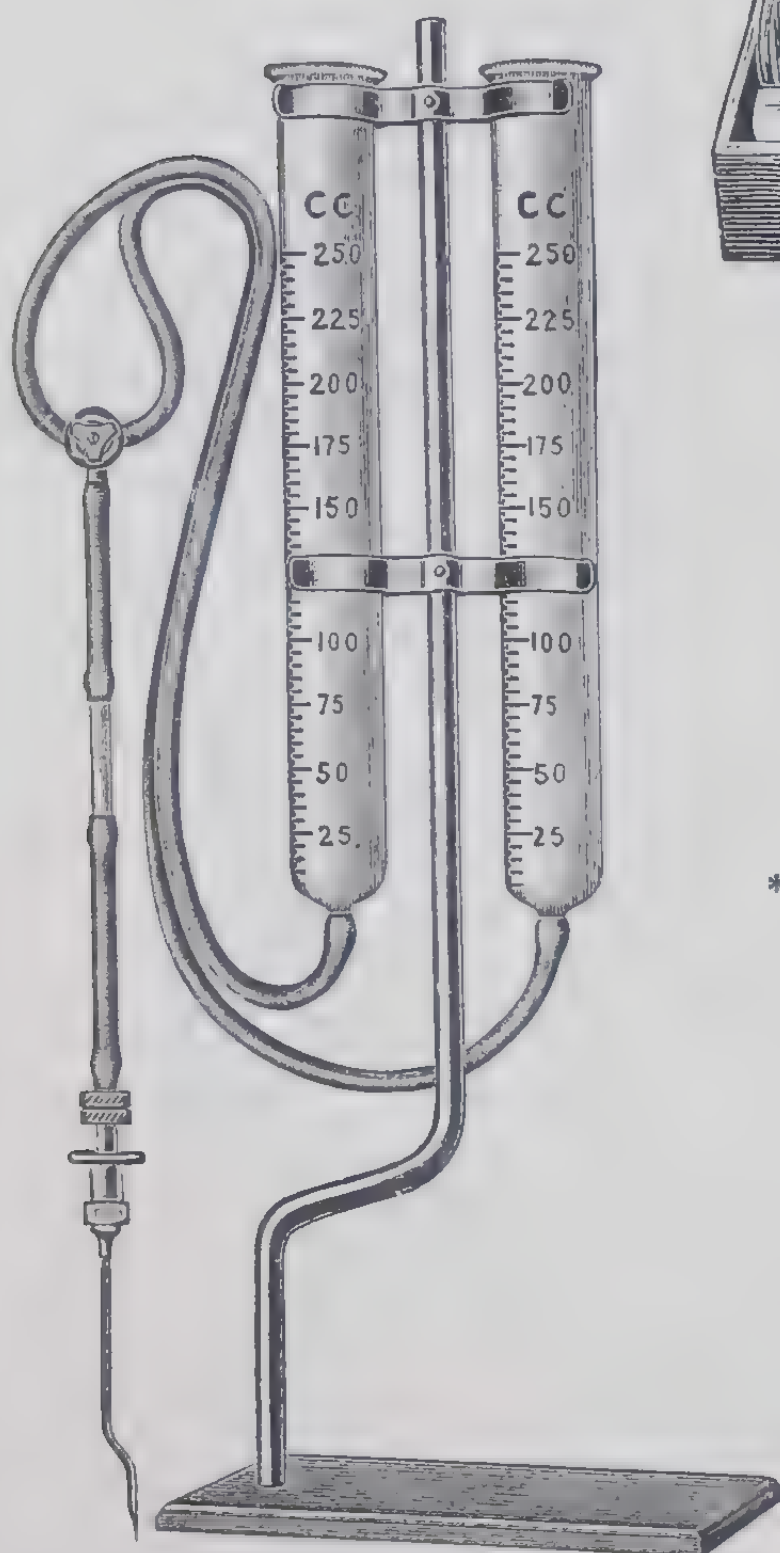
A-1089 **Schreiber's** salvarsan, $1\frac{1}{4}$ inches, 18 and 20 gauge.

*A-1090 **Schreiber's** improved salvarsan, with vertical finger hold.

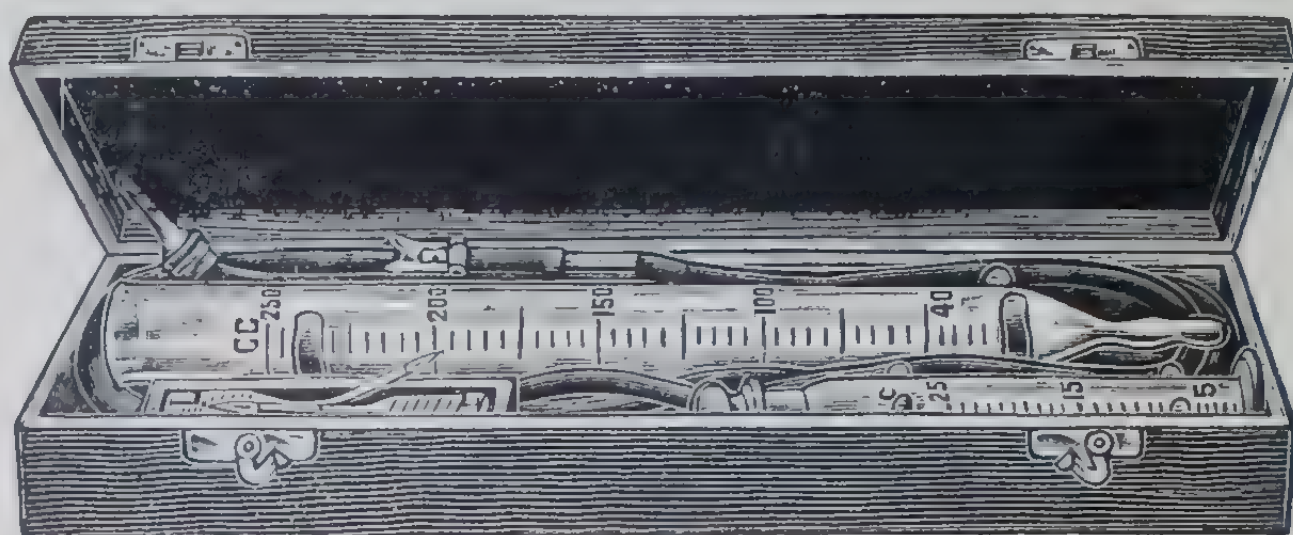
*A-1095 Tubing connection only for salvarsan needles.



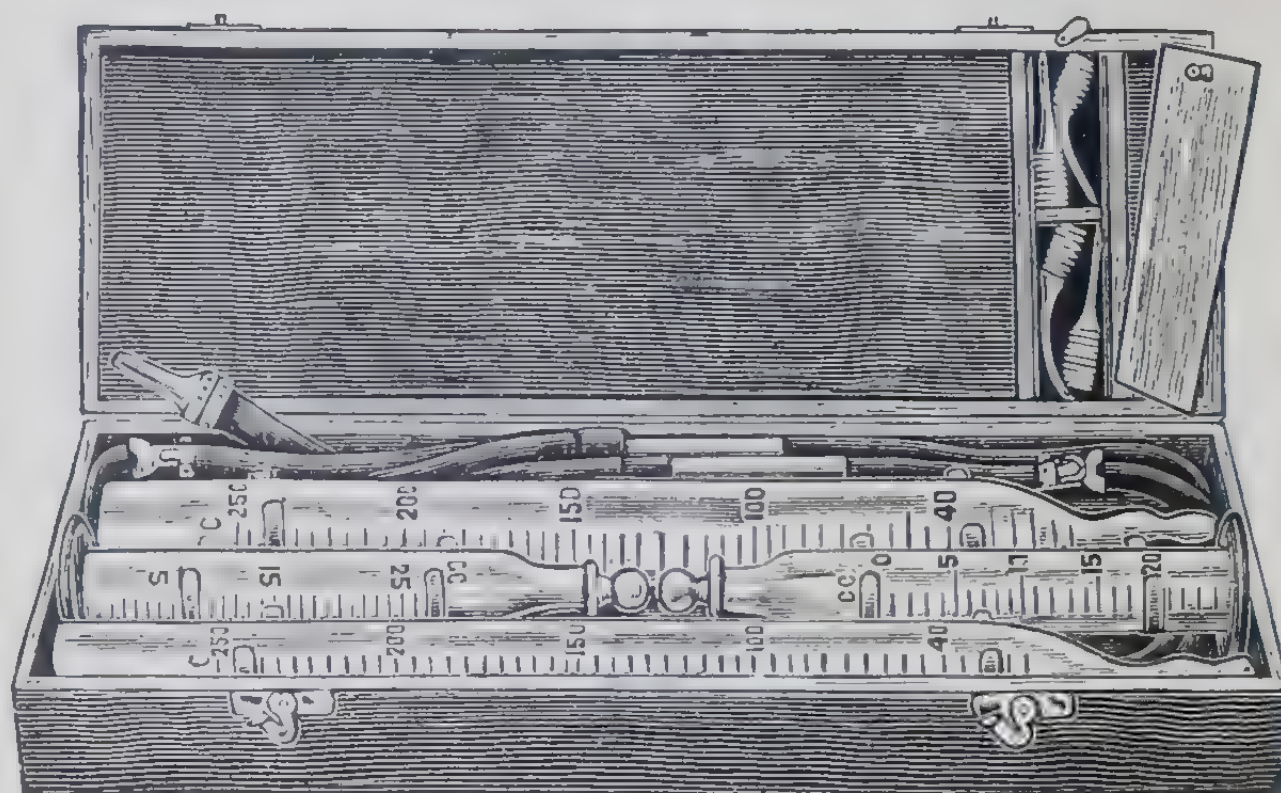
A-1125



A-1128



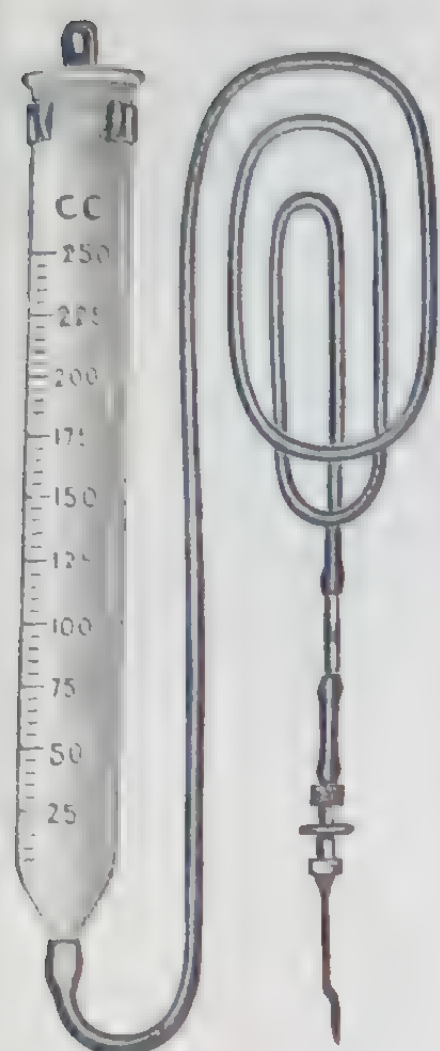
A-1132



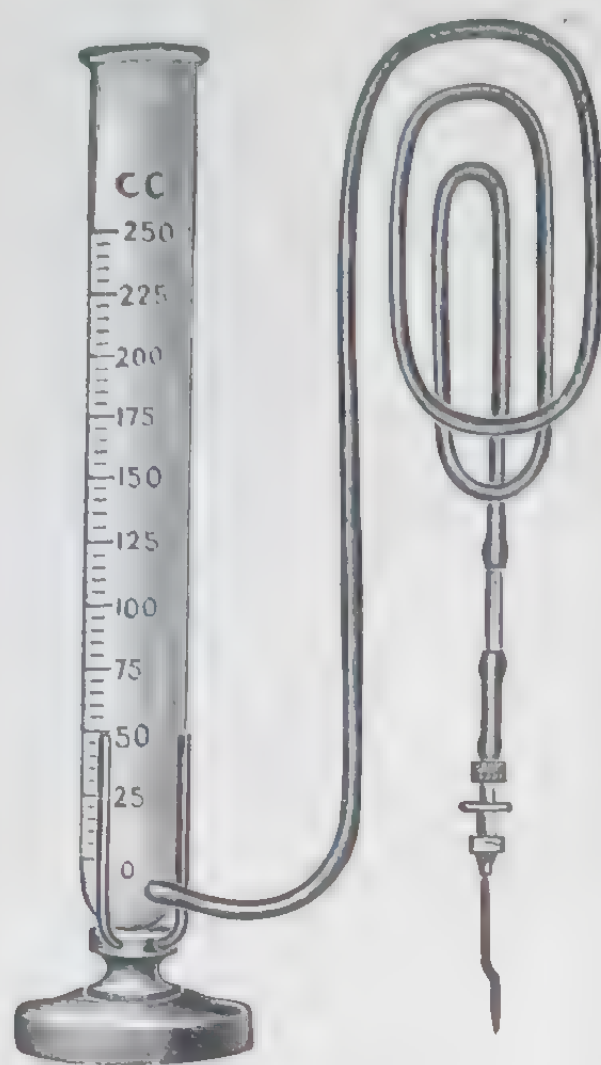
A-1133

Salvarsan Outfits

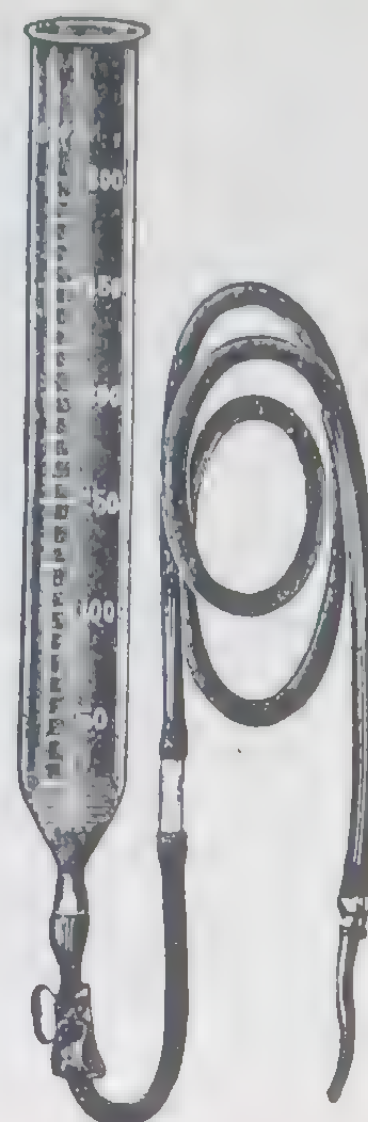
- A-1125 **Boehm's**, with telescoping stand, complete as shown.
- *A-1126 **Boehm's**, original, with Boehm's stopcock, complete, with 2 needles.
- A-1128 **Cayo's**, with 3-way stop cock, complete as shown.
- A-1132 **Daland's**, single, in oak case.
- A-1133 **Daland's**, double, in oak case.



A-1150



A-1152



A-1156

Salvarsan and Arsphenamine Outfits

*A-1130 Graduated Cylinder only, 250 cc.

*A-1135 Graduated Measuring and Mixing Jars, 5, 10, 25, 50, 100, 150, 250, 500, 1000 and 2000 cc.

*A-1140 **Kaufman's** Arsphenamine Outfit, complete with hanging cylinder, tubing, Kaufman-Luer syringe and 2 needles, $\frac{5}{8}$ inch, 20 gauge.

A-1141 **Kaufman-Luer** Syringe only.

*A-1145 **McGurn's** Apparatus, double, with filter (send for descriptive circular).

A-1150 Plain Apparatus, with hanging cylinder, complete as shown.

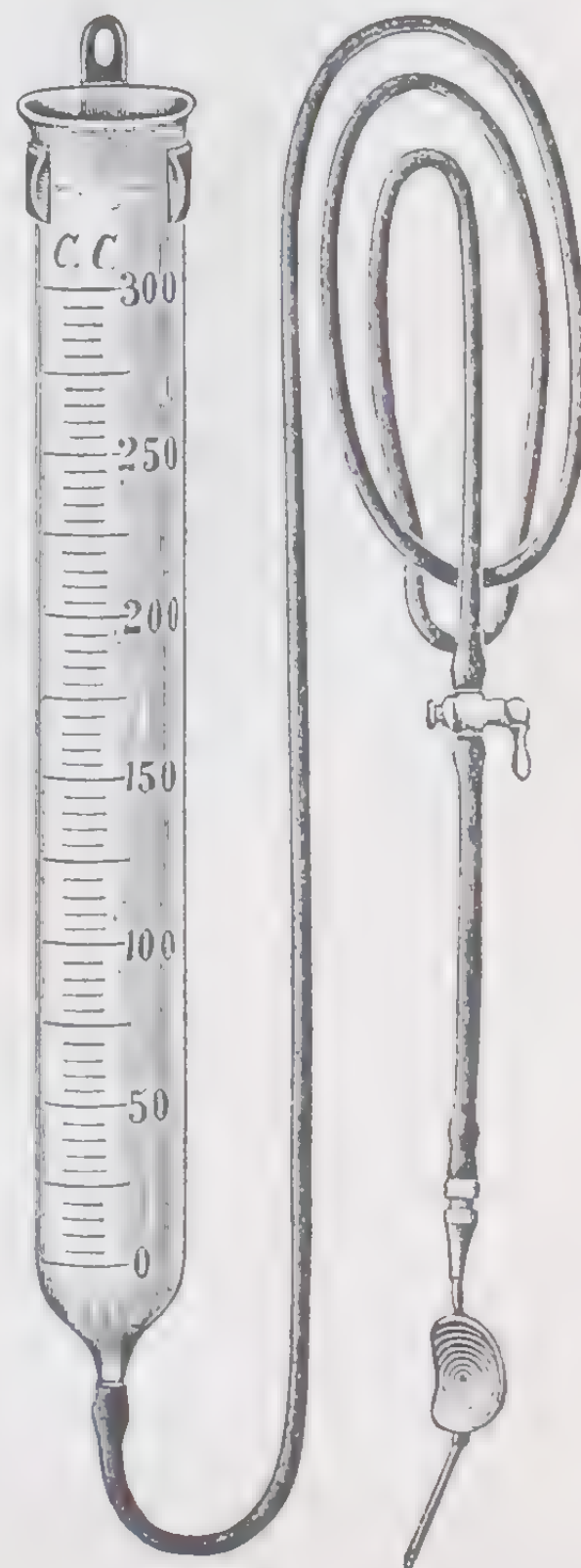
A-1152 Plain Apparatus, with cylinder on stand, complete as shown.

A-1154 Plain Apparatus, with Schreiber's needle, complete as shown.

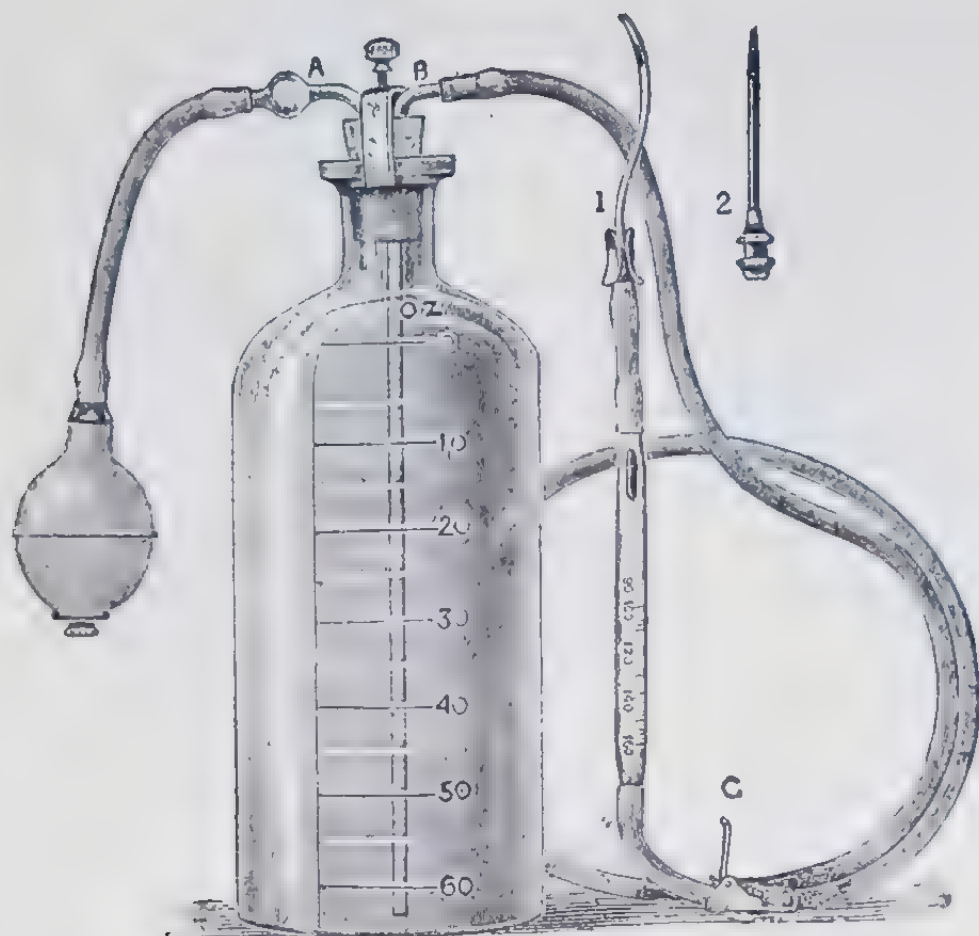
A-1156 Plain Apparatus, with intravenous canula, complete as shown.



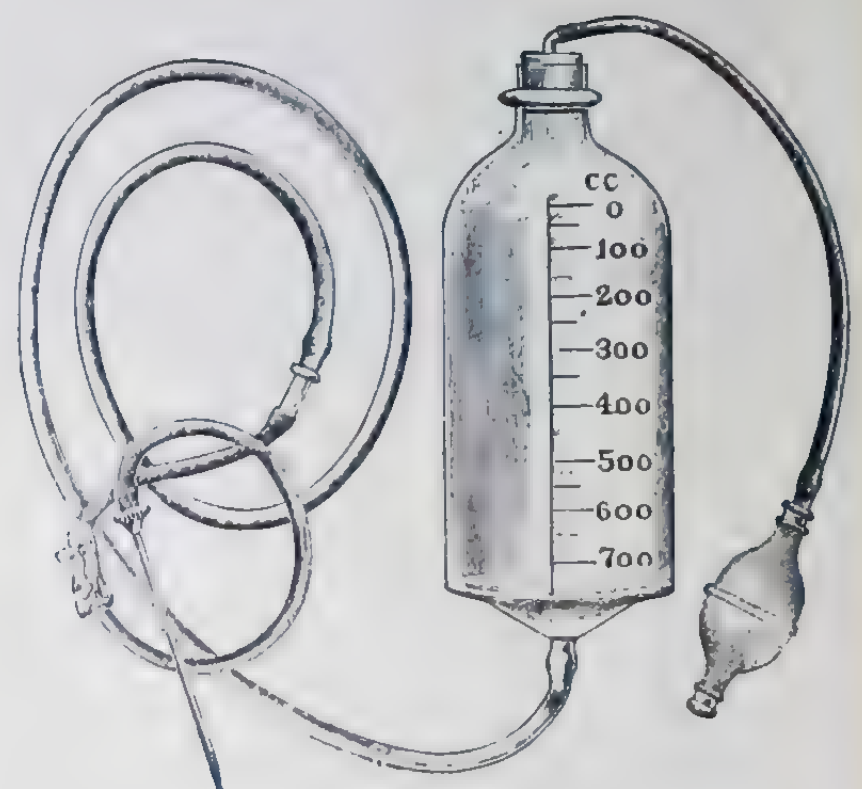
A-1141



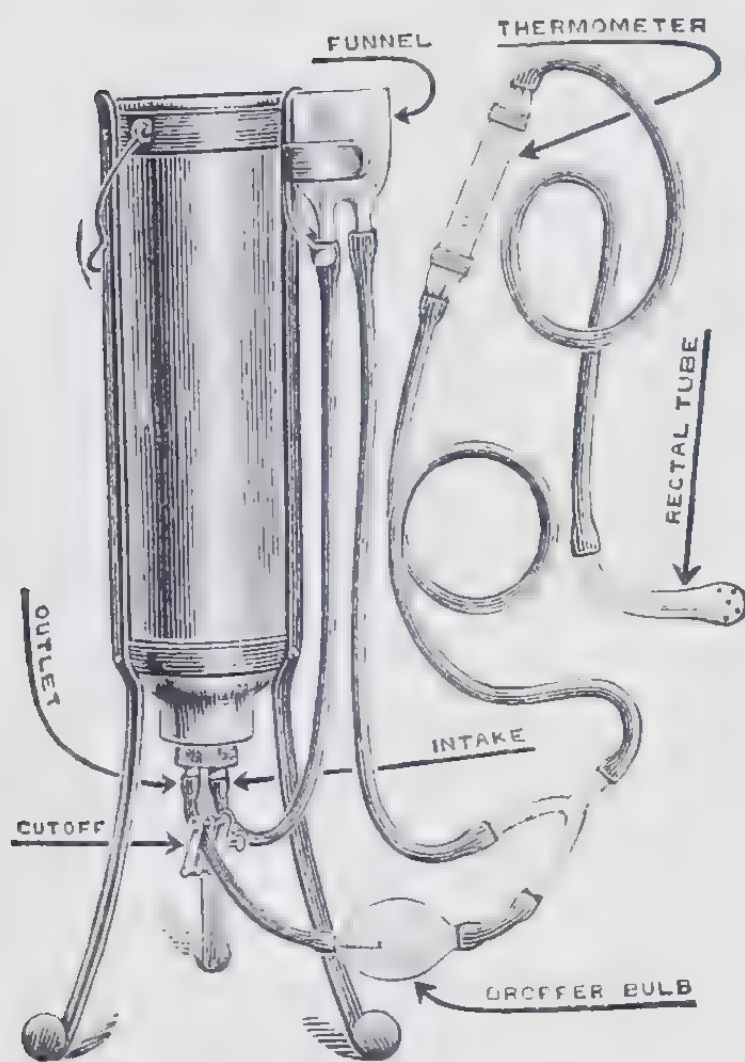
A-1154



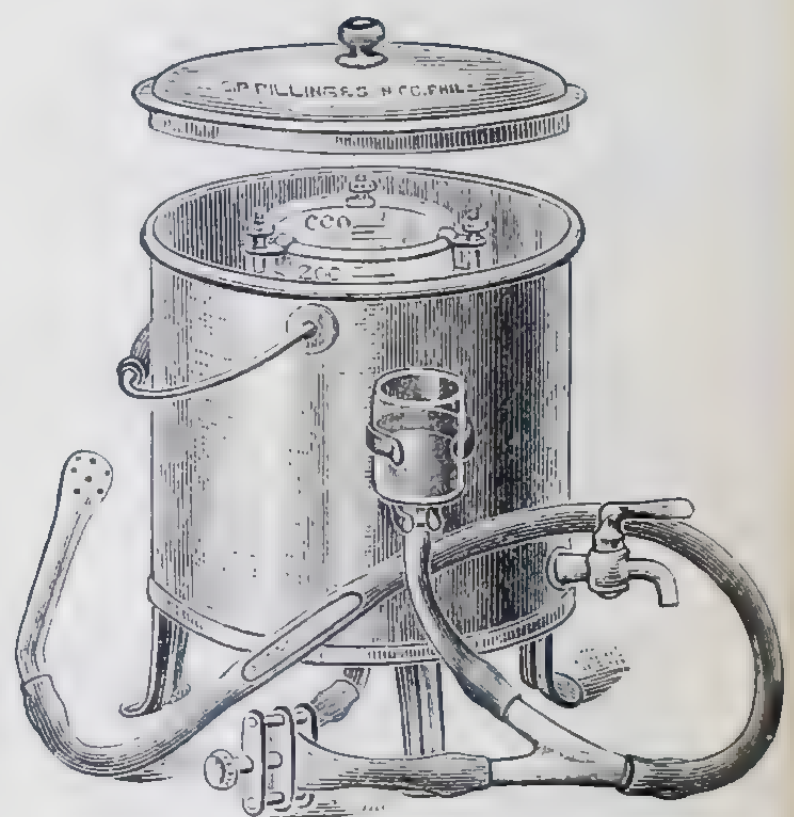
A-1180



A-1185



A-1190



A-1192

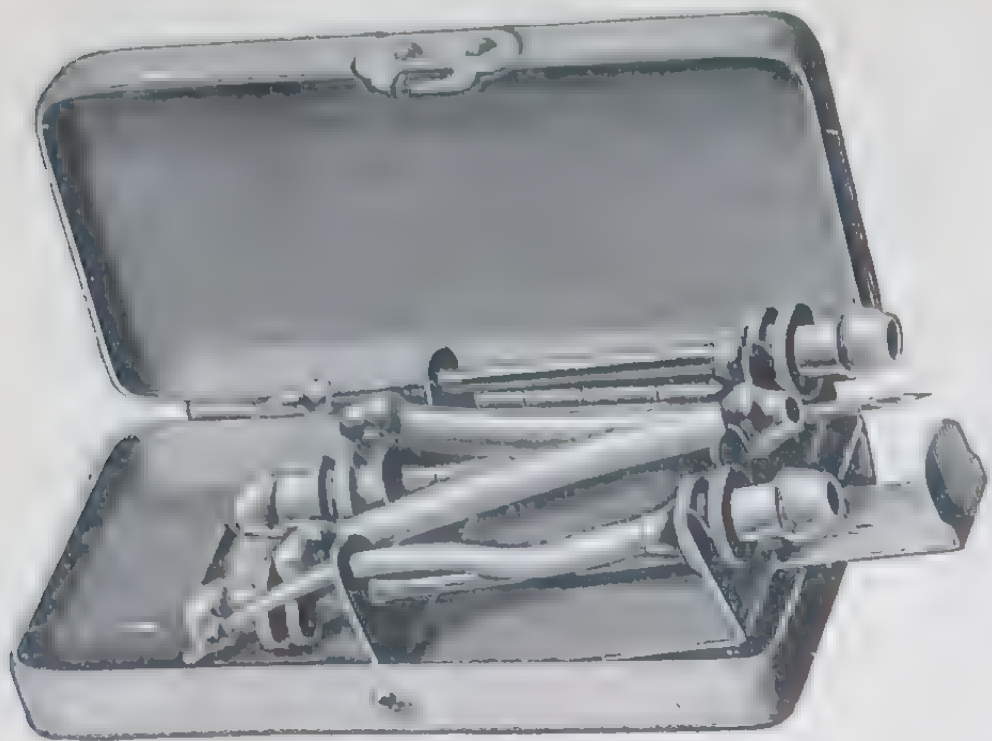
Infusion Apparatus, Saline

A-1180 **Fowler's**, complete as shown.

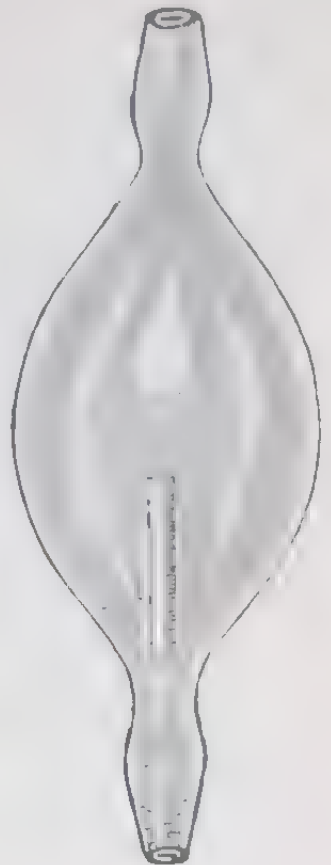
A-1185 **Kelly's**, complete as shown.

A-1190 **Murphy-Magnuson**, complete as shown.

A-1192 **Murphy-Saxon**, complete as shown.



A-1200



A-1222



A-1226



A-1228



A-1230



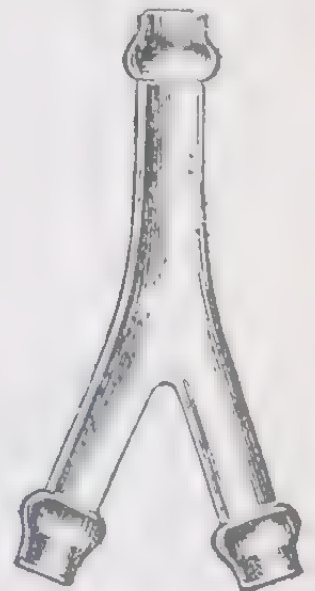
A-1231



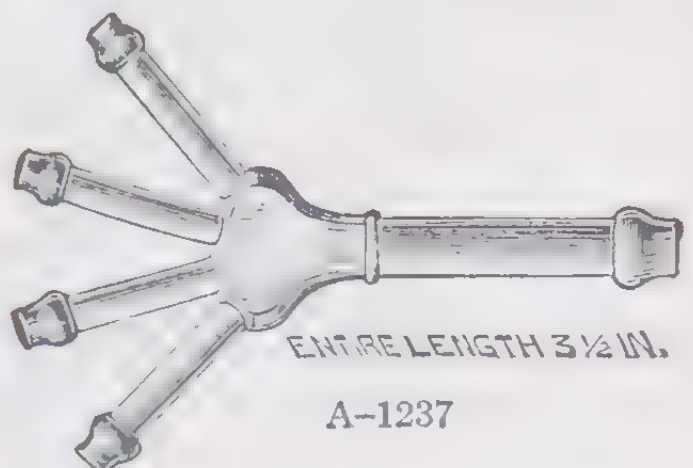
A-1233



A-1220



A-1235



ENTIRE LENGTH 3 1/2 IN.

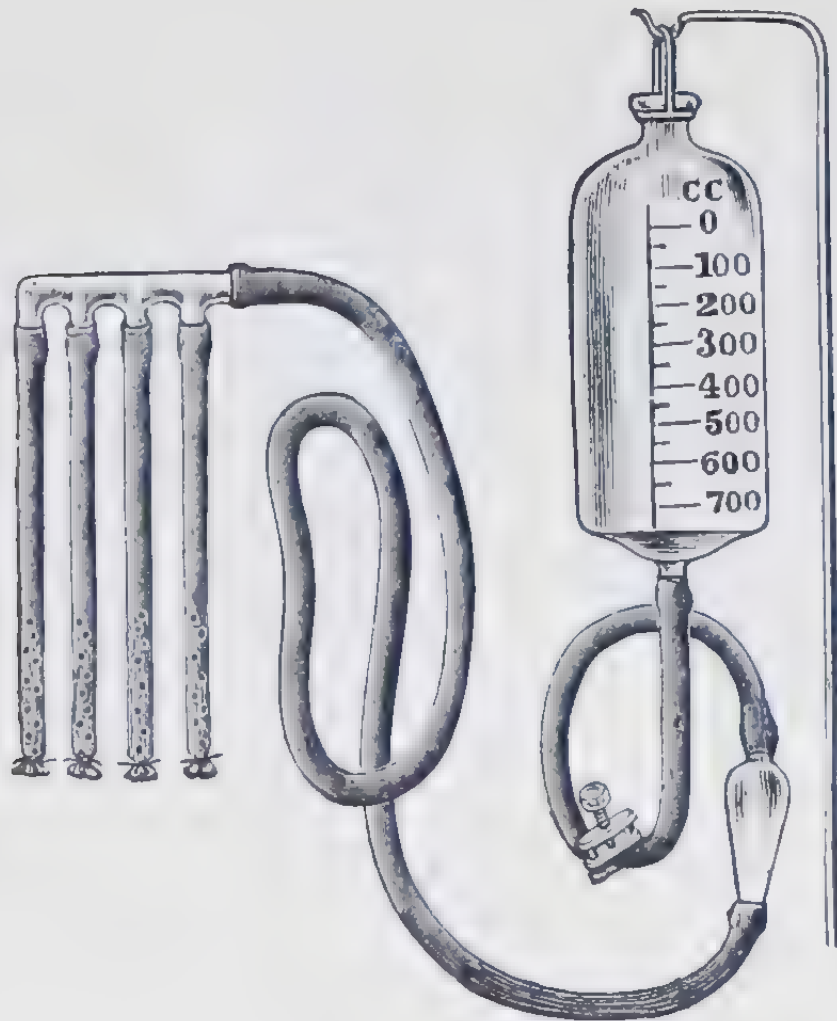
A-1237

Infusion Apparatus, Saline

- A-1200 Webster's, small, in case.
 *A-1201 Webster's, large, complete, with rubber tubing, in metal case.

Instruments for Saline Infusion

- A-1220 Infusion Drop Tube, Murphy's, complete.
 A-1222 Infusion Drop Tube only, Murphy's.
 *A-1224 Infusion Needle, Webster's, fine.
 *A-1225 Infusion Needle, Webster's, medium.
 A-1226 Infusion Needle, Webster's, large.
 A-1228 Infusion Tube, Fowler's, intravenous.
 A-1230 Infusion Tube, Webster's, intravenous, straight, glass or metal.
 A-1231 Infusion Tube, Webster's, intravenous, curved, glass or metal.
 A-1233 Infusion Thermometer, to show salt solution temperature.
 A-1235 Infusion Y, metal or glass, 2 outlets.
 A-1237 Infusion Y, Hasbrook's, metal, 4 outlets.



A-1250



A-1251



A-1270



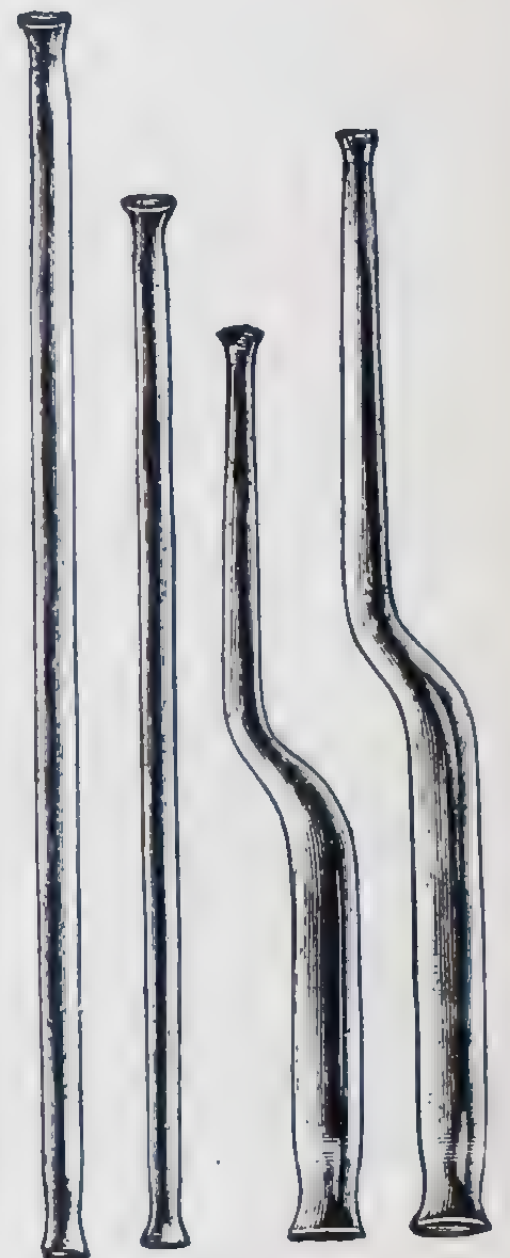
A-1272



A-1276



A-1278



A-1274

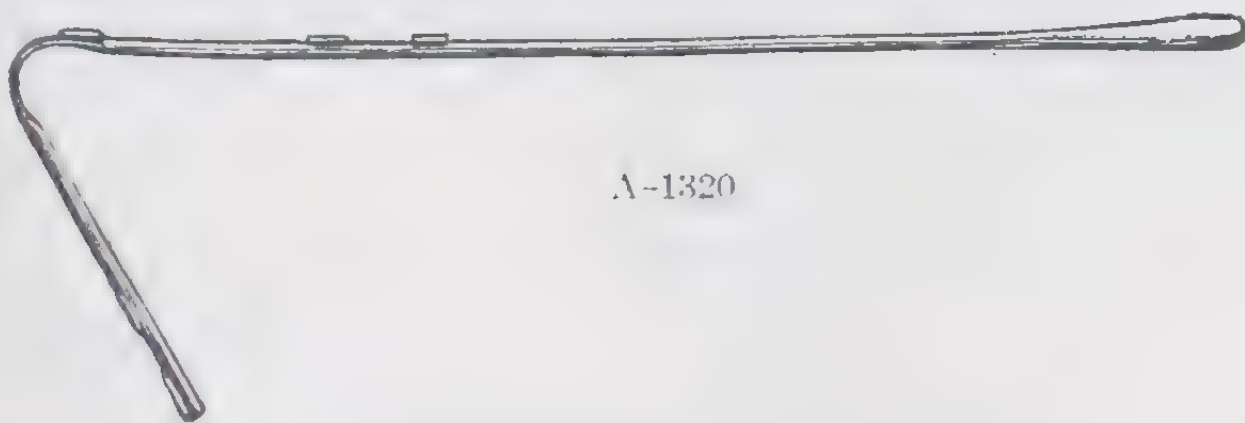
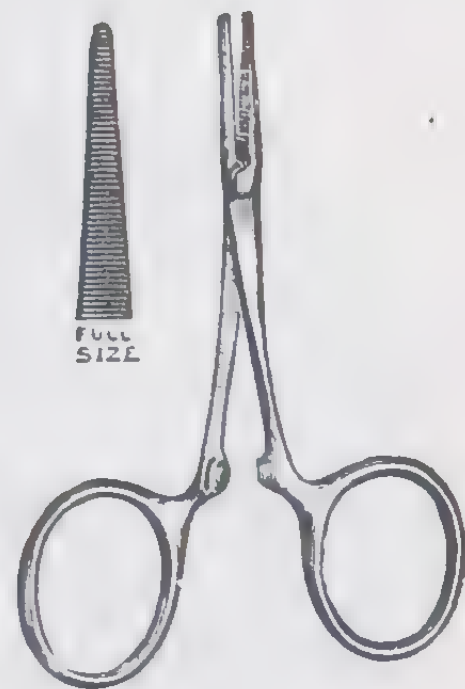
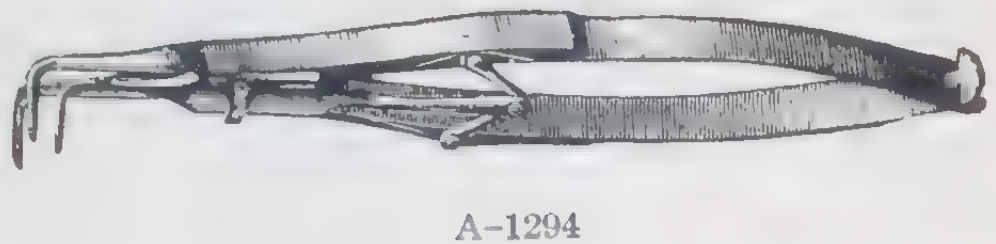
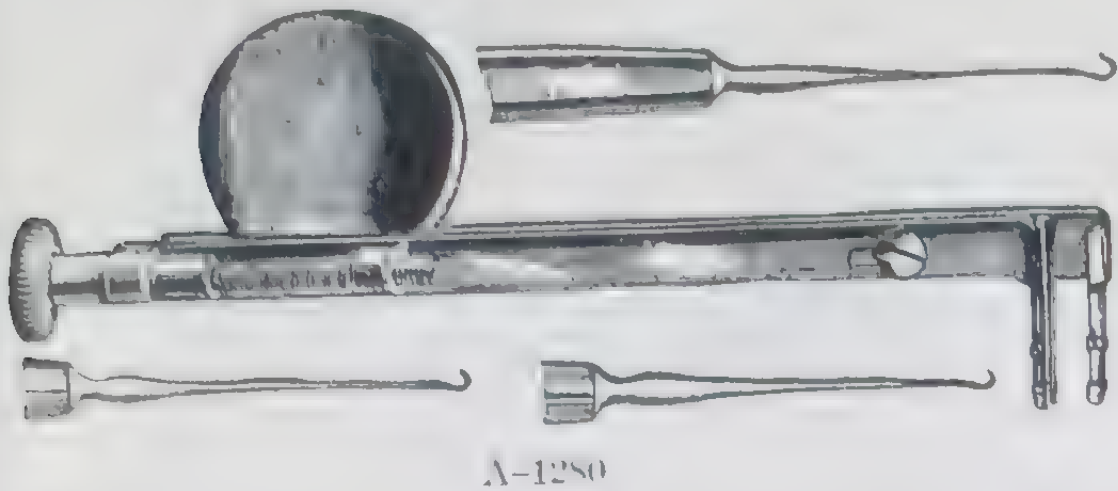
Infusion Apparatus, Sterile Solution

- A-1250 Carrell's, for Dakin solution.
A-1251 Punch for Carrell's infusion apparatus.

Transfusion Instruments, Blood

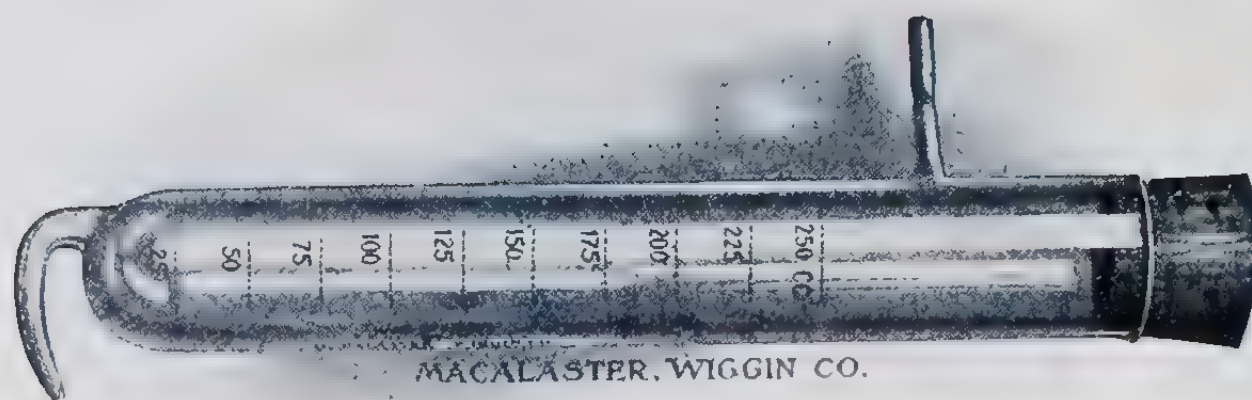
- A-1270 Canula, Aveling's, Bellevue Hospital, with stopcock.
A-1272 Canula, Bernheim's.
A-1274 Canulae, Brewer's, glass, set of 4.
A-1276 Canulae, Carrell's, gold, 3 sizes, 2, 2½ and 3 mm.
A-1278 Canulae, Crile's, silver, set of 4, in case (shown full size).

STANDARD SURGICAL INSTRUMENTS

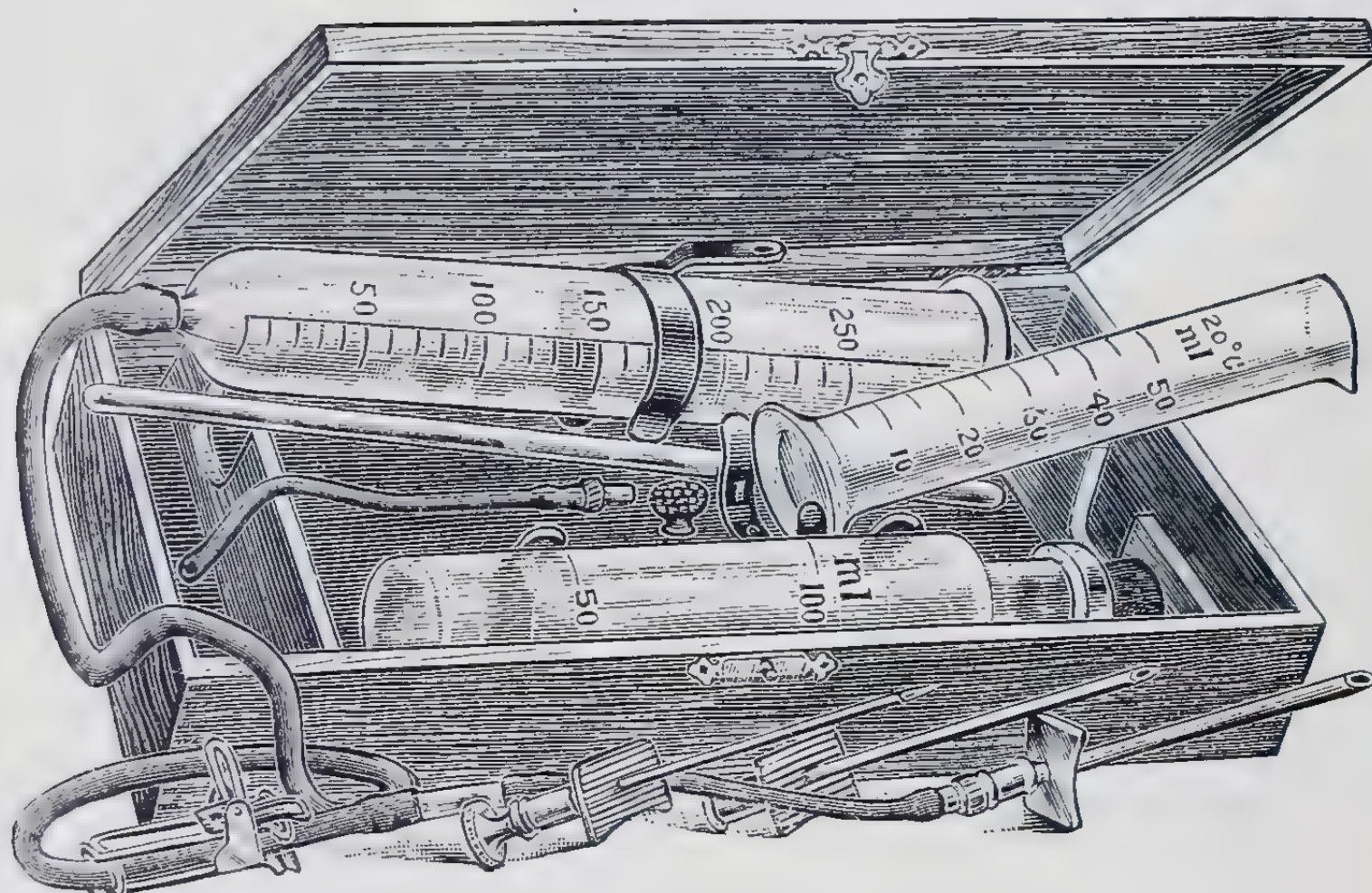


Transfusion Instruments, Blood

- A-1280 Canula, **Elsberg's**, with 3 tenacula, in case.
- A-1282 Canula, **Jeger-Elsberg's**.
- A-1288 Clamp, **Crile's**, carotid, $4\frac{3}{4}$ inches, curved.
- *A-1290 Clamp, **Criles's**, carotid, 3 inches.
- A-1294 Dilator, **Carrell's** vein.
- *A-1298 Director, **Goodwin's** vein.
- A-1308 Forceps, **Bernheimer's** introducing, ball pointed.
- A-1310 Forceps, **Crile's** haemostatic, for picking up vessel.
- A-1312 Forceps, **Carrell's** haemostatic, 4 inches, smooth jaw.
- A-1314 Forceps, **Carrell's** haemostatic, $3\frac{1}{4}$ inches, serrated jaw.
- A-1320 Staff, **Horsley's**, for vein anastomosis.



A-1340-1341

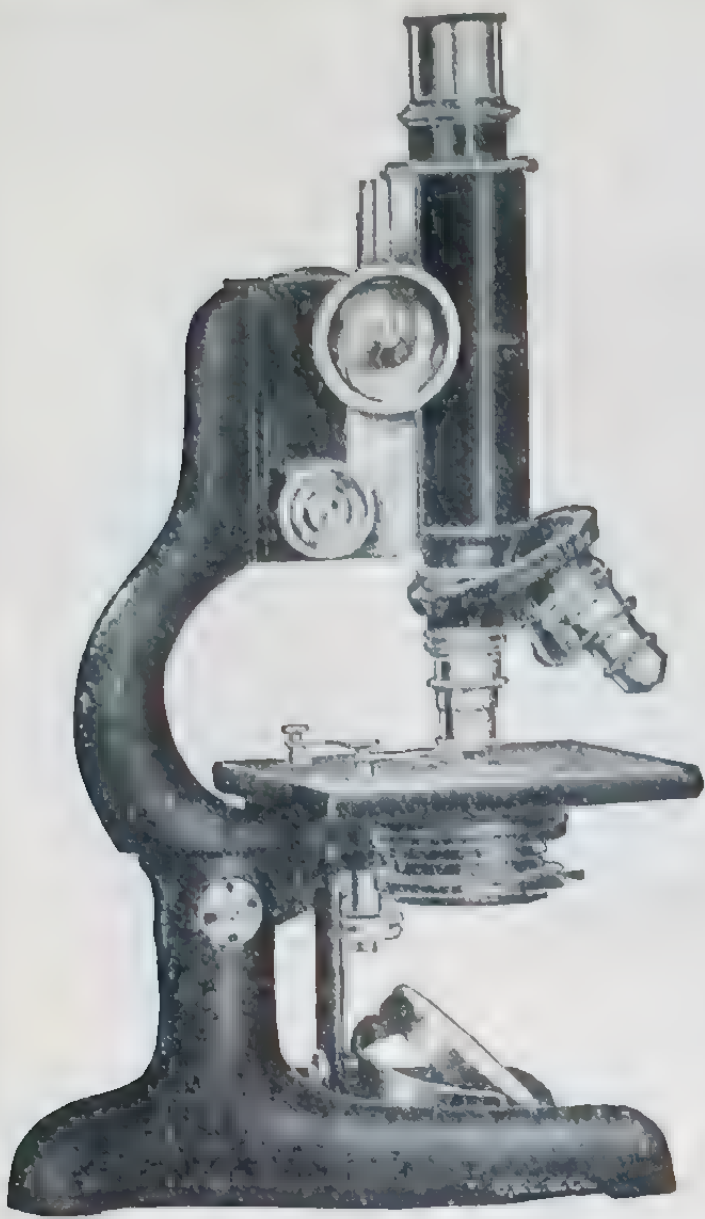


A-1345

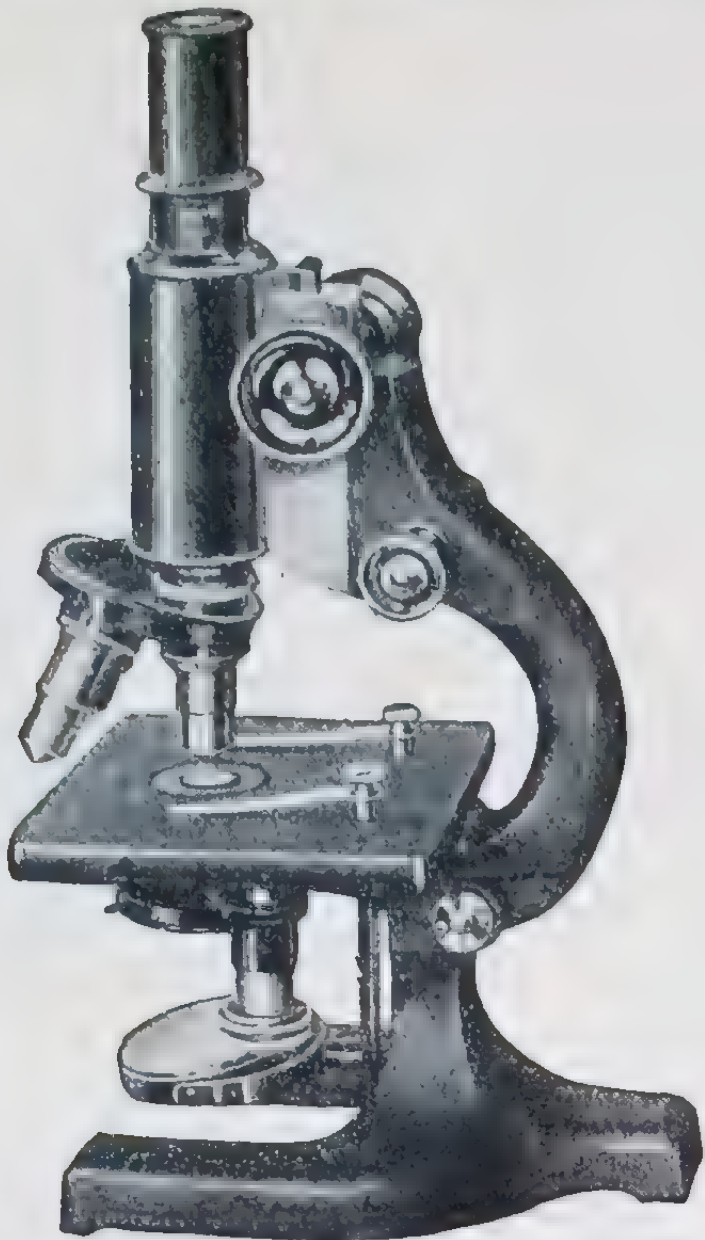
Transfusion Apparatus, Blood

- A-1340 **Kimpton-Brown's**, small, complete, including needle.
- A-1341 **Kimpton-Brown's**, large, complete, including needle.
- A-1345 **Lewisohn's**, complete, in case, including 1 each improved Kaliski canula, 13 gauge and 15 gauge; 1 Kaliski trocar needle, 3 glass containers as shown, 2 each Luer adapters, rubber tubing, cut-off, etc.

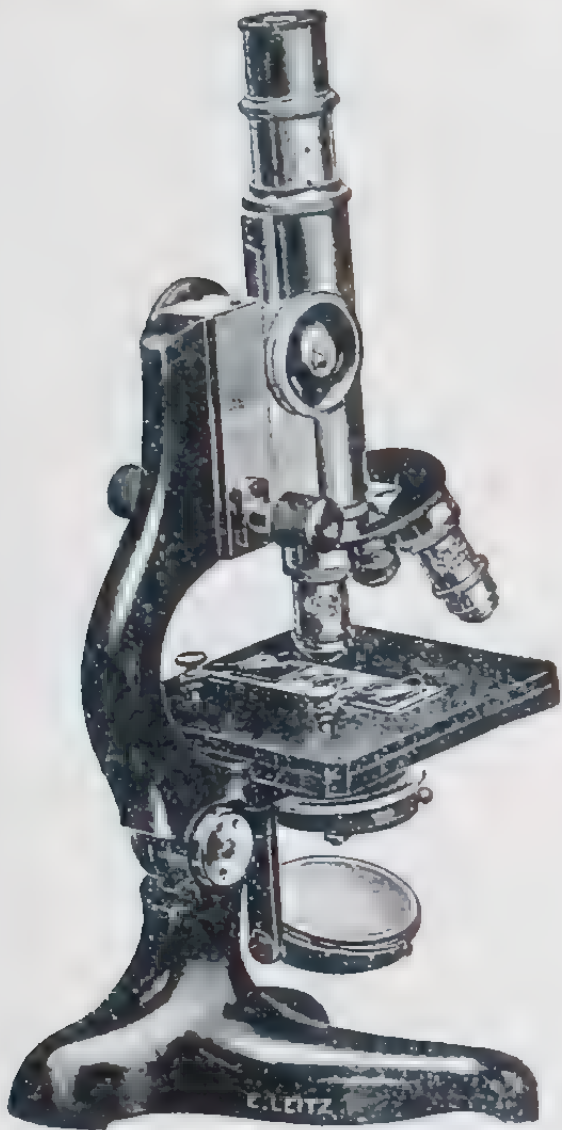
NOTE: With this outfit a 500 cc. graduated jar should be used. This jar is not furnished with the outfit. Its size would necessitate too large a case.



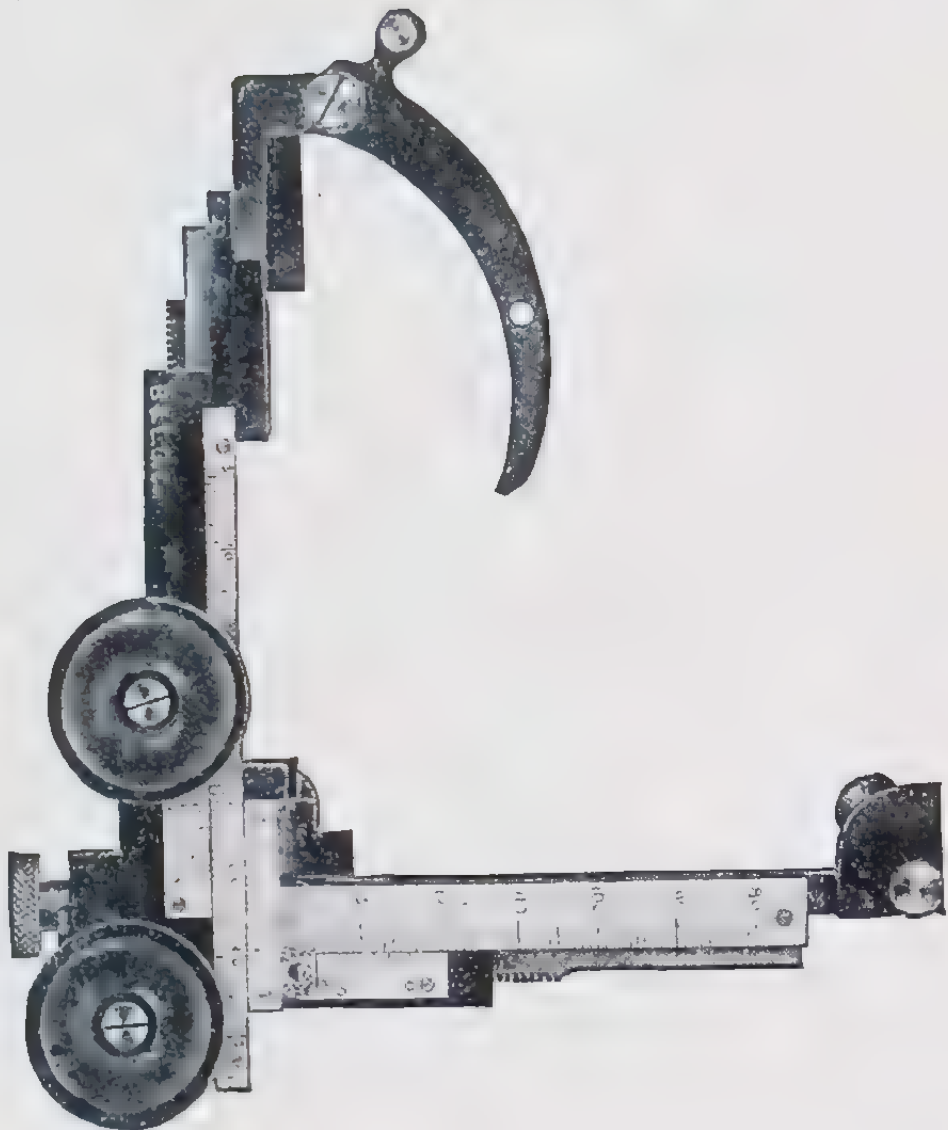
A-1380



A-1384



A-1382

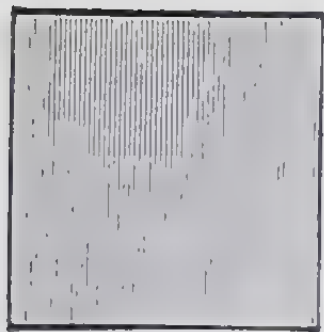


A-1390

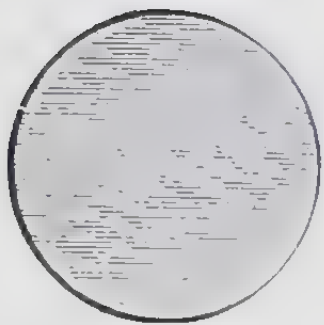
Microscopes

		Abbey Condensor	Nose Piece	Objectives Equivalent Focus mm.	Oculars
A-1380	Bausch & Lomb, FFS-S....	N. A. 1.20	Triple	16, 4, { 1.9 mm. Oil Imm.	5X 10X
A-1382	E. Leitz, L-10.....	N. A. 1.20	Triple	16, 4, { 1.8 mm. Oil Imm.	6X 10X
A-1384	Spencer, 44-H.....	N. A. 1.20	Triple	16, 4, { 1.8 mm. Oil Imm.	6X 10X
A-1390	Bausch & Lomb, mechanical stage, attachable, Model B.				
*A-1392	E. Leitz, mechanical stage, attachable, for above microscope.				
A-1394	Spencer, mechanical stage, attachable, No. 490.				

Complete catalogues of Bausch & Lomb, Leitz and Spencer Microscopes and accessories sent on request.



A-1420-1422



A-1424-1426



A-1500



A-1505

Cover Glasses and Slides

Best White Glass. Uniform in Thickness

Catalogue No.	Shape	Thickness	Dimensions
A-1420	Squares	No. 1—0.13 to 0.17 mm.	15, 18, 22 or 25 mm.
A-1422	Squares	No. 2—0.17 to 0.25 mm.	15, 18, 22 or 25 mm.
A-1424	Circles	No. 1—0.13 to 0.17 mm.	15, 18, 22 or 25 mm.
A-1426	Circles	No. 2—0.17 to 0.25 mm.	15, 18, 22 or 25 mm.

Rectangular Cover Glasses

- *A-1440 Rectangular Cover Glasses, No. 1. All sizes.
- *A-1445 Rectangular Cover Glasses, No. 2. All sizes.

Slides—Best White Glass

- *A-1460 Slides, 75 x 25 mm. (3 x 1 inches) medium thickness.
- *A-1462 Slides, 75 x 25 mm. (3 x 1 inches) extra thin.
- *A-1464 Slides, 44 x 25 mm. (1 3/8 x 1 inches) medium thickness.
- *A-1466 Slides, 50 x 20 mm. (2 x 1 inches) medium thickness.
- *A-1468 Slides, 75 x 38 mm. (3 x 1 1/2 inches) medium thickness.
- *A-1470 Slides, 75 x 50 mm. (3 x 2 inches) medium thickness.
- *A-1472 Slides, 75 x 25 mm. (3 x 1 inches) concave centers.
- *A-1474 Slides, 75 x 25 mm. (3 x 1 inches) drop culture.
Cavity 16 mm. diameter and 2 mm deep.



A-1540

Slide Boxes

- A-1500 Slide Boxes, grooved to hold 100 objects, hinged and cloth covered.
- A-1505 Slide Boxes, white wood, grooved to hold 25 objects, numbered and indexed.
- *A-1520 Slide Mailing Cases, tops, middles or bottoms.
- A-1540 Section Razor, flat and hollow ground blade, metal handle.

Dry Stains for Use in Microscopy

A-1600	Azur I.	A-1620	Gentian Violet, Harmer.
A-1601	Azur II.	A-1622	Gentian Violet, Heyl.
A-1602	Azur II, Eosin.	A-1630	Haematoxylin or c. p., white crystals, Heyl.
A-1608	Fuchsin, Acid, Harmer, also suitable as Andrade indicator in preparation of culture media.	A-1635	Jenner's dry stain.
A-1610	Fuchsin, Acid, Heyl.	A-1650	Methylene Blue, for bacilli.
A-1612	Fuchsin, Basic, R. F. N. Heyl.	A-1655	Methylene Blue, rectified.
A-1614	Fuchsin, Basic, Harmer, for bacilli.	A-1680	Wright's Dry Stain, powdered, in ampoules containing 0.1 gram.

Stains in Solution

A-1700	Carbol Fuchsin, Ziehl-Nielson.	A-1724	Methylene Blue, Eosinated, Jenner.
A-1710	Gentian Violet, 2 per cent alcoholic.	A-1726	Methylene Blue, Eosinated, Wright.
A-1712	Gentian Violet, 1 per cent aqueous.	A-1728	Methylene Blue, Loeffler.
A-1714	Gentian Violet, Gram.	A-1750	Polychrome Methylene Blue, Goldhorn.
A-1720	Methylene Blue, acid, Gabbett.	A-1760	Spirochaete Stain, Giemsa.
A-1722	Methylene Blue, Eosinated, Hasting.	A-1770	Toisson Blood Solution.

Mounting and Finishing Materials

A-1800	Balsam, Canada, in 20 cc. collapsible tubes.	A-1802	Balsam, Canada, dissolved in Xylol in 20 cc tubes.
--------	--	--------	--

Embedding Media

A-1810	Histoloid, in shreds in 1 oz. bottles.	A-1820	Parlodion (purest shredded concentrated collodion) in 1 oz. bottles.
--------	--	--------	--

General Reagents

A-1830	Oil, Cedar, for immersion objectives.	A-1840	Oil, Cloves.
		A-1850	Xylol.

Special Stains furnished on request

Microscopic Instruments



A-1900



A-1901



A-1902



A-1904



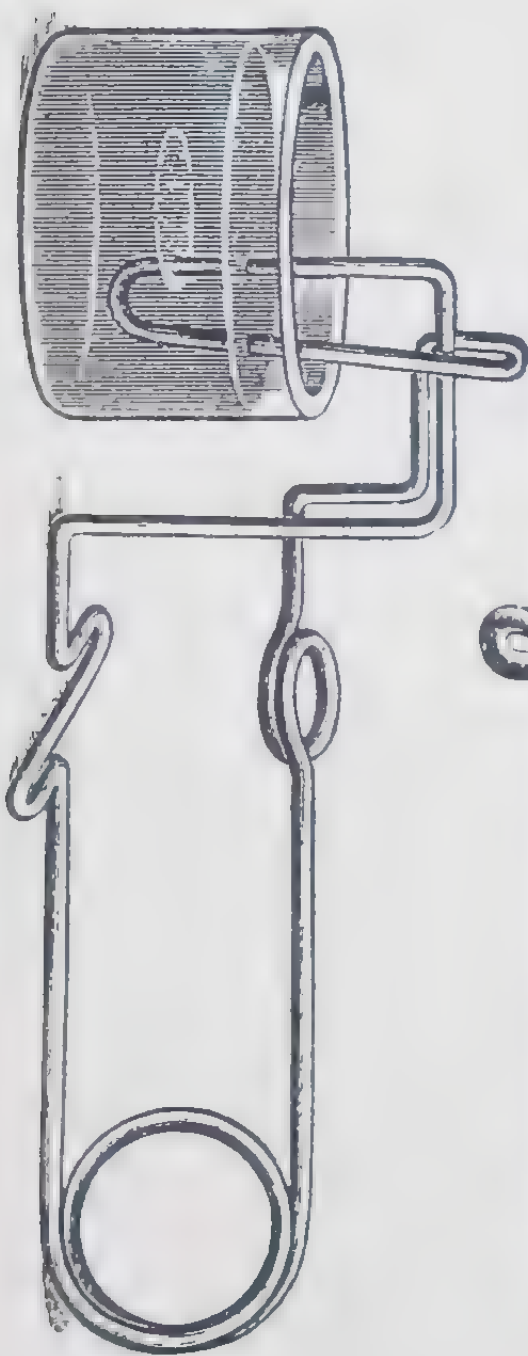
A-1906



A-1908



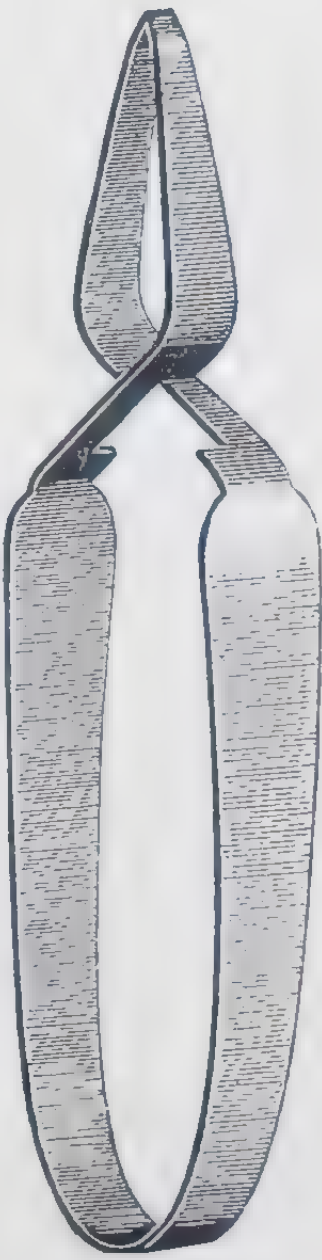
A-1912



A-1920



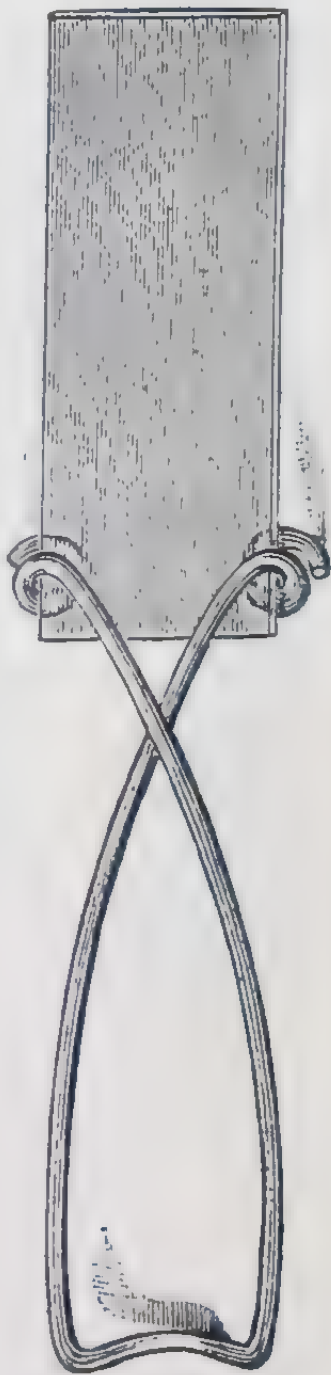
A-1916



A-1910



A-1918



A-1922

For description see next page



A-1926



A-1924



A-1928



A-1942



A-1936



A-1934

Microscopic Instruments



A-1932

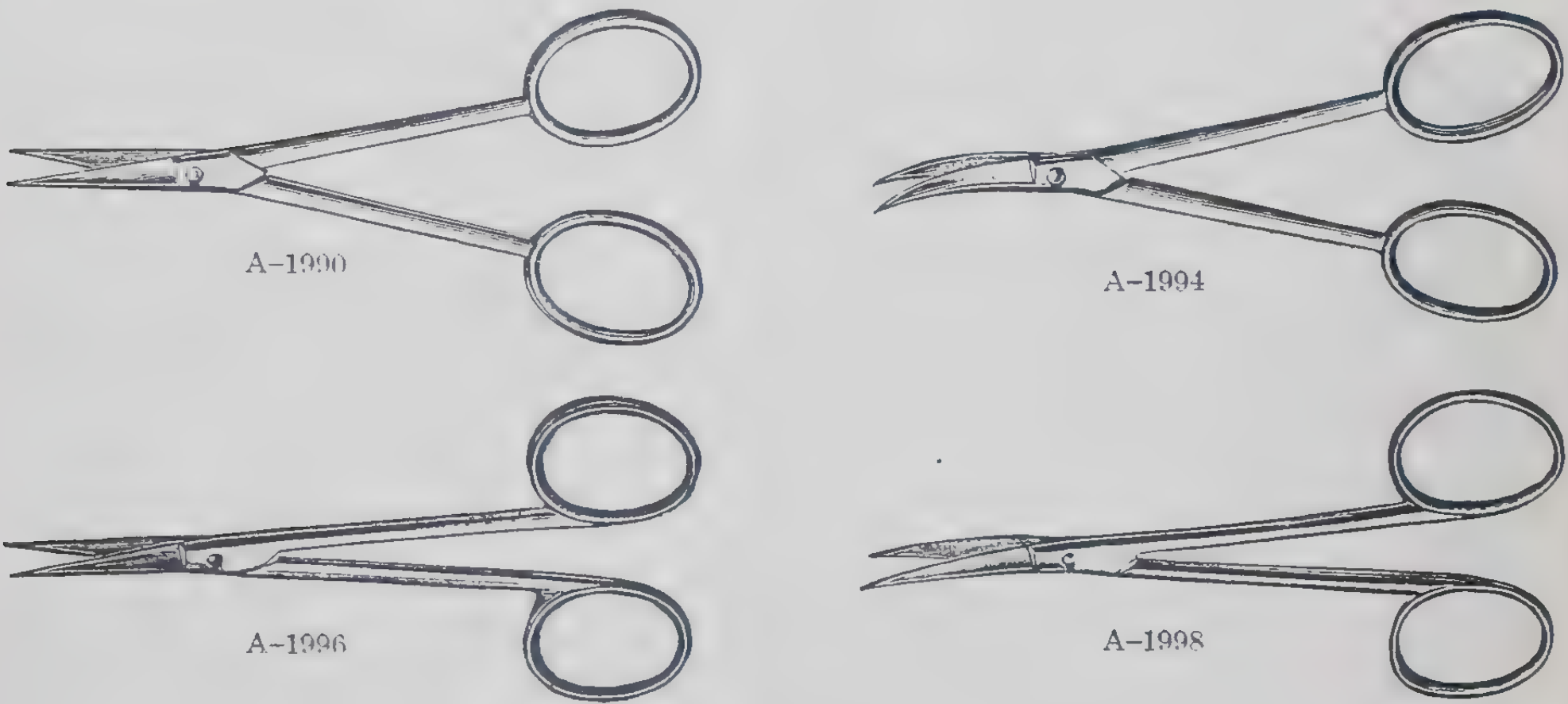
- A-1900 Forceps, straight, fine, serrated points, 4½ inch.
- A-1901 Forceps, curved, fine, serrated points, 4¼ inch.
- A-1902 Forceps, curved, fine, mouse tooth points, 4¼ inch.
- A-1904 Forceps, cover glass, straight, thin blades, 4 inch.
- A-1906 Forceps, cover glass, bent, thin blades, 4 inch.
- A-1908 Forceps, cover glass, bent, cross action, thin blades, 4 inch.
- A-1910 Forceps, cover glass, **Cornet's**.
- A-1912 Forceps, cover glass, **Novy's**, plain, 4½ inch.
- *A-1914 Forceps, cover glass, **Novy's**, slide catch, 4½ inch.
- A-1916 Forceps, cover glass, **Stewart's**, wire.
- A-1918 Forceps, cover glass, plain, wire.
- A-1920 Forceps, cover glass, **Kalteyer's**.
- A-1922 Forceps, slide, **Kirkbride's**, for staining.
- A-1924 Knife, scalpel, triangular shape, metal handle.
- A-1926 Knife, scalpel, bellied, metal handle.
- A-1928 Knife, triangular shape, single edge, metal handle.
- *A-1930 Knife, curved, probe pointed, metal handle.
- *A-1932 Knife, Lee's, triangular shape, metal handle.
- A-1934 Needle, spear point, double cutting edge, aluminum handle.
- A-1936 Needle, harpoon point, single cutting edge, aluminum handle.
- *A-1938 Needle, straight, fine, aluminum handle.
- *A-1940 Needle, curved, fine, aluminum handle.
- A-1942 Needle, hook shape, aluminum handle.
- *A-1944 Needle, bone handle, clamping.
- A-1946 Needle, bone handle, clamping, set of 3 needles.
- *A-1948 Needle, inoculating, platinum, glass handle, 4 cm., 8 cm.



B C D

A-1946

STANDARD SURGICAL INSTRUMENTS



Microscopic Instruments

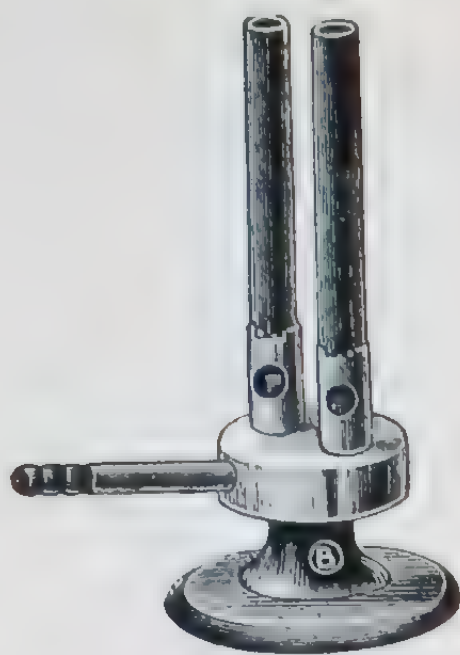
A-1960	Section Lifter, plain, all metal, German silver blade.	A-1965	Section Lifter, 1¾ inches wide.
A-1962	Section Lifter, ⅜ inch wide.	A-1968	Section Lifter, rigid blade, ⅜ inch wide.
A-1963	Section Lifter, ¾ inch wide.	A-1969	Section Lifter, rigid blade, ⅞ inch wide.
A-1964	Section Lifter, 1 inch wide.		

Microscopic Scissors

A-1990	Scissors, straight, slender.	A-1996	Scissors, straight, dissecting, fine.
*A-1992	Scissors, angular, slender.	A-1998	Scissors, curved on flat, dissecting, fine.
A-1994	Scissors, curved on flat, slender.		



A-2100



A-2105



A-2110



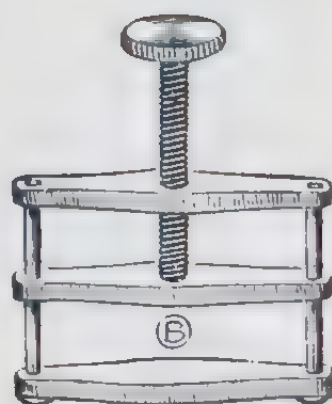
A-2112



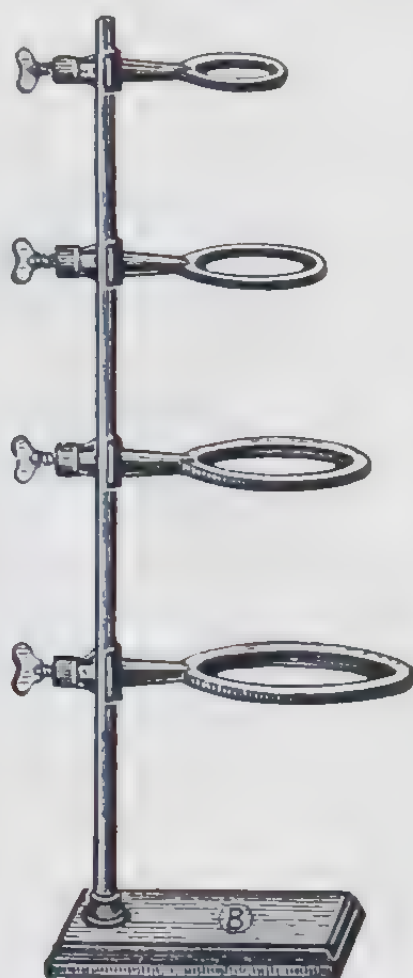
A-2115



A-2122



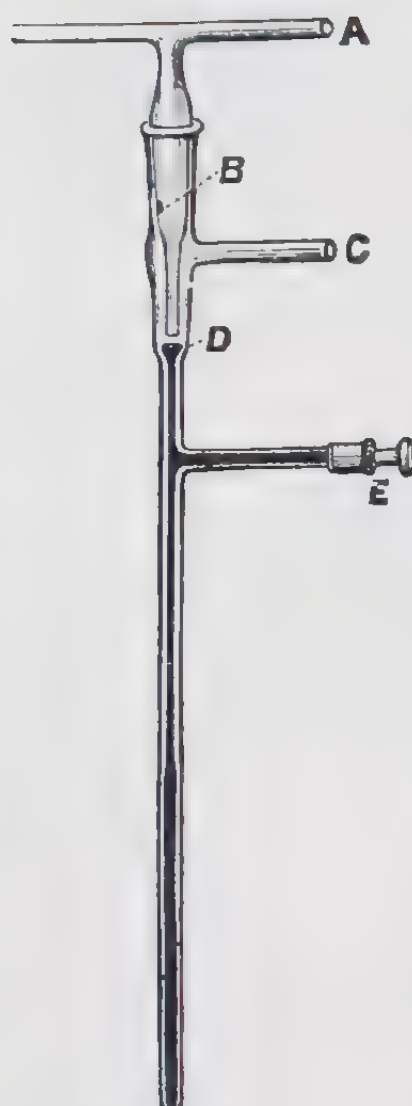
A-2120



A-2145



A-2130



A-2135

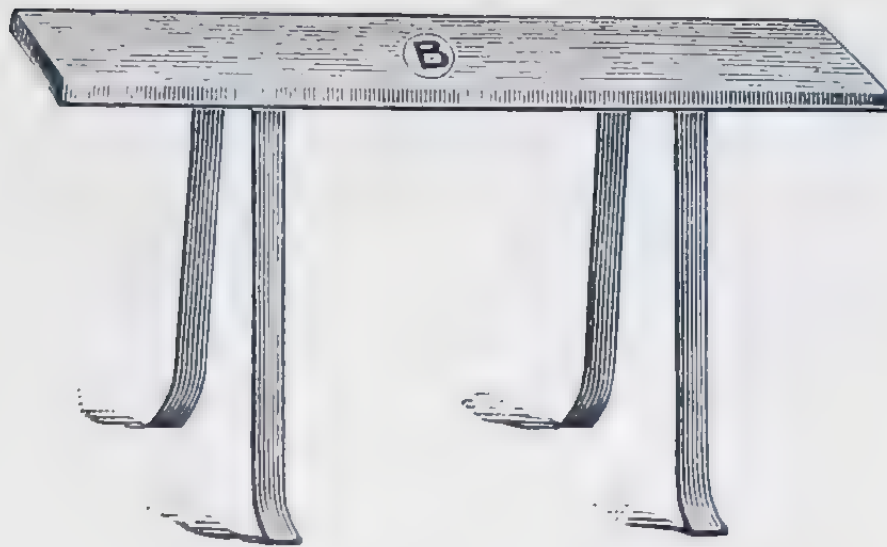


A-2140

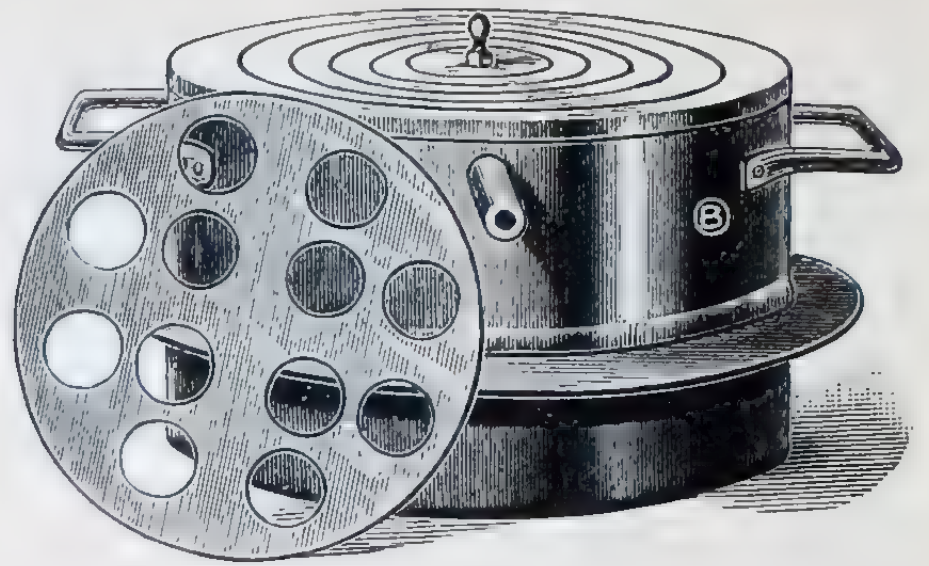
Laboratory Apparatus

- A-2100 Burner, **Bunsen's**, 6 inches high, single tube.
- A-2105 Burner, **Bunsen's**, 6 inches high, 2, 3, 4 and 6 tubes.
- A-2110 Burner, **Bunsen's**, low form, 3 inches high.
- A-2112 Burner, **Bunsen's**, micro, 2 inches high.
- A-2115 Clamp, iron, for large objects.
- *A-2118 Clamp, iron, for burettes and small objects.
- A-2120 Clamp, **Hoffman's**, screw compressor, small and large.
- A-2122 Clamp, **Mohr's**, small and large.
- A-2130 Mouse Jar.
- A-2135 Regulator, **Reichert's** improved.
- A-2140 Regulator, **Roux's**, bi-metallic, all metal, small and large.
- A-2145 Support, rectangular base, with two or four rings.

STANDARD SURGICAL INSTRUMENTS



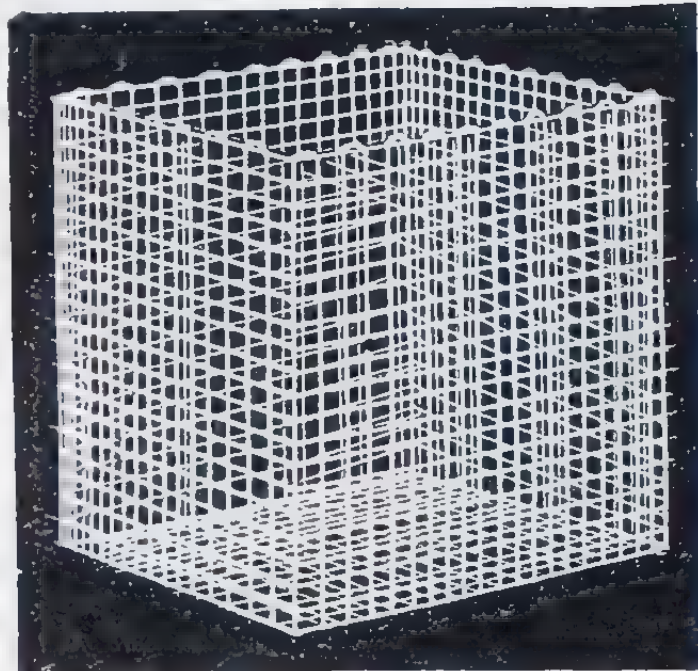
A-2155



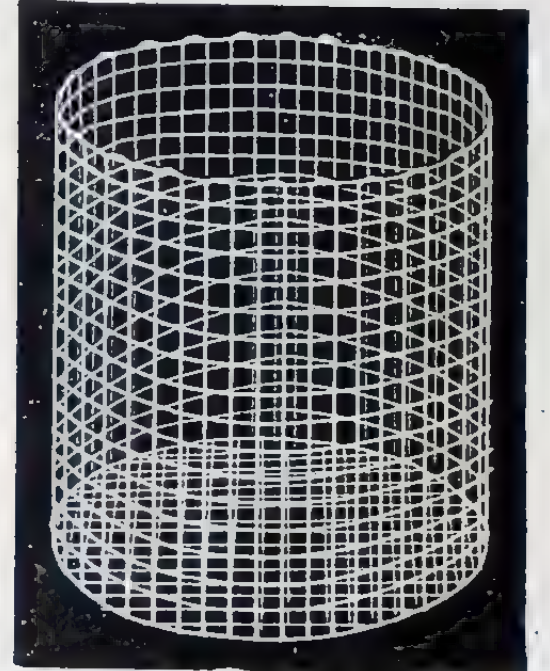
A-2160



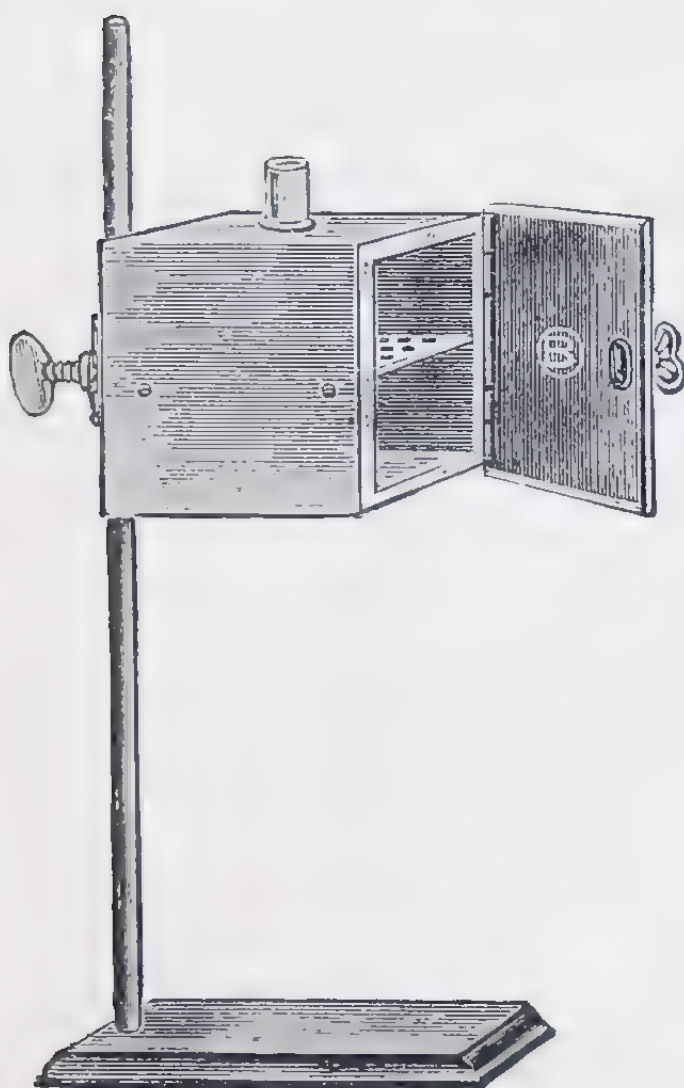
A-2150



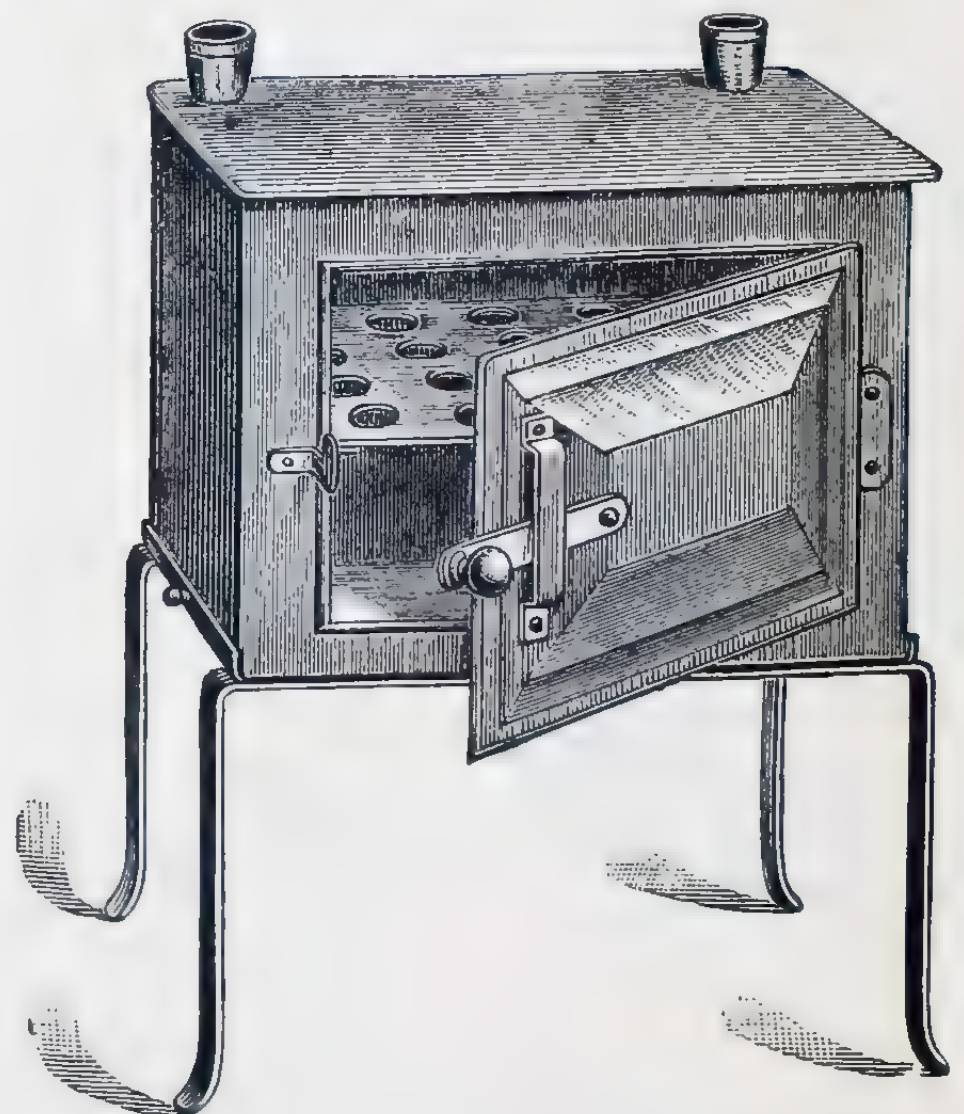
A-2162



A-2164



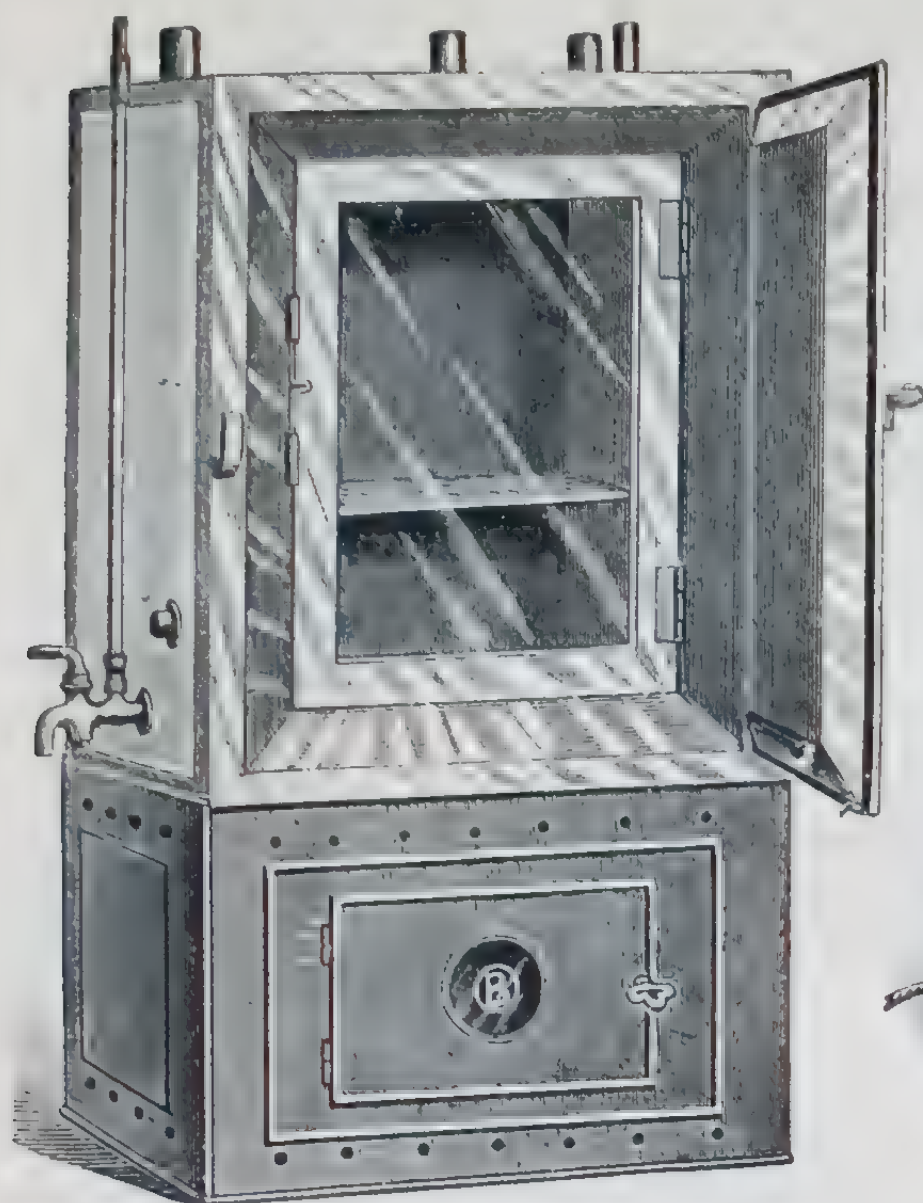
A-2180



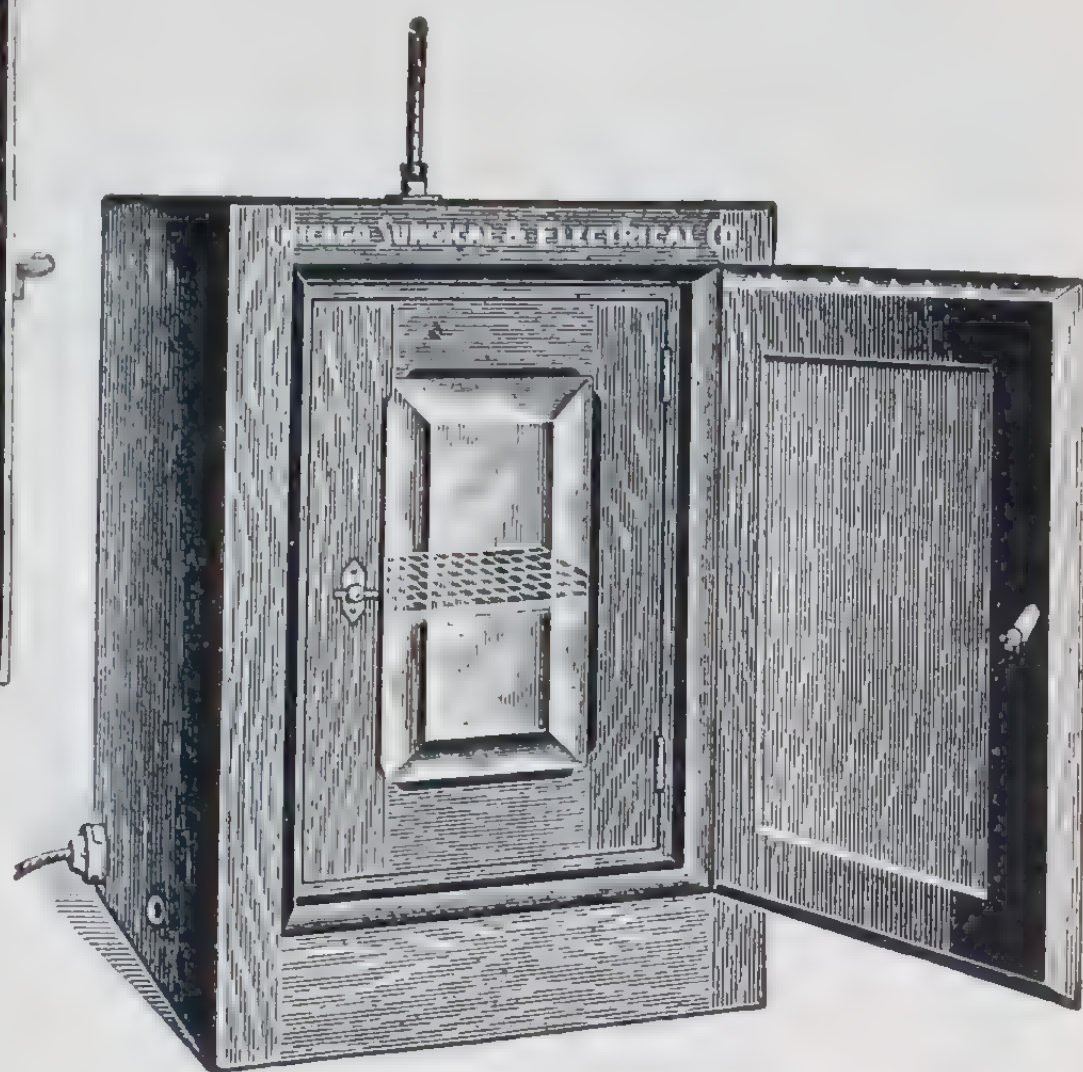
A-2182

Laboratory Apparatus

- A-2150 Tripod, iron, 8 inches high, 4, 5 and 6 ring.
- A-2155 Warming Plate, heavy copper supported on iron legs.
- A-2160 Water Bath, polished copper, tin lined, 5, 6 and 8 inches.
- A-2162 Wire Basket, for test tubes, square, 6 x 6 x 6 inches.
- A-2164 Wire Basket, for test tubes, round, 6 inches high, 6 inches diameter.
- A-2180 Drying Oven, for blood work, copper, 4 x 4 x 4 inches.
- A-2182 Drying Oven, double wall, copper, 6 x 8 inches, 1 shelf; 8 x 10 inches, 1 shelf; 10 x 12 inches, 2 shelves.



A-2200-2202



A-2208-2211

Laboratory Apparatus

- A-2200 Incubator, laboratory, inside dimensions, height 14 inches, width 12 inches, depth 10 inches.
- A-2201 Incubator, laboratory, inside dimensions, height 12 inches, width 9 inches, depth 9 inches.
- A-2202 Incubator, laboratory, inside dimensions, height 9 inches, width 7 inches, depth 7 inches.

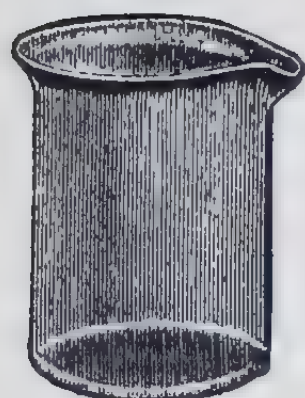
Prices include thermometer, register and Bunsen burner.

- *A-2205 Incubator, physician's, inside measurements 8 x 9 inches.
- A-2208 Incubator, electric, No. 1, 9 x 7 x 7 inches.
- A-2209 Incubator, electric, No. 3, 12 x 9 x 9 inches.
- A-2210 Incubator, electric, No. 11, 15 x 12 x 10½ inches.
- A-2211 Incubator, electric, No. 2, 26 x 18 x 18 inches.
- *A-2216 Thermostat, electric, with condenser.
- *A-2220 Filter, Berkefeld's laboratory, nickel-plated—
Capacity, 1 litre in 50 seconds; 40 pounds pressure.
Capacity, 1 litre in 40 seconds; 40 pounds pressure.
Capacity, 1 litre in 30 seconds; 40 pounds pressure.
- *A-2225 Cylinder, small, medium, large.
- *A-2227 Two-way stop cock for use with above.
- *A-2229 Wrench for opening filters.
- *A-2240 Still, **Jewell's**, made of machined iron with boiling chamber enameled on the inside and the condensing tube carefully tinned. Capacity, half gallon per hour.
- *A-2245 Still, **Jewell's**, made of copper and brass, heavily tinned on the inside and nickel-plated on the outside. Operated by gas. Capacity, one-half gallon per hour.

Illustrated literature on Mandler Filters sent on request.

Illustrated literature on Stokes Automatic Water Stills sent on request.

Laboratory Glassware



A-2300



A-2302



A-2305



A-2308



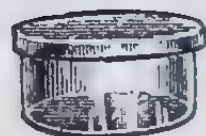
A-2304



A-2315



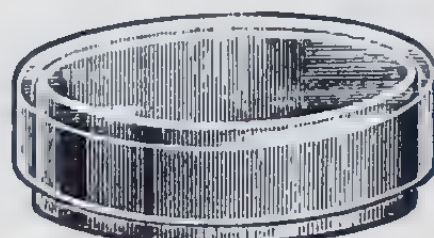
A-2303



A-2326



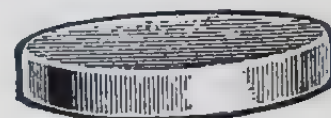
A-2322



A-2320



A-2387



A-2324



A-2330



A-2328



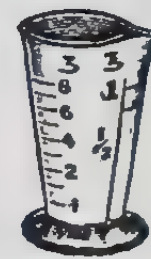
A-2335



A-2337



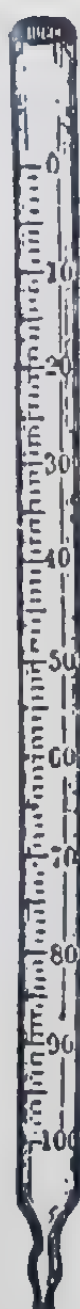
A-2354



A-2347



A-2382



A-2310



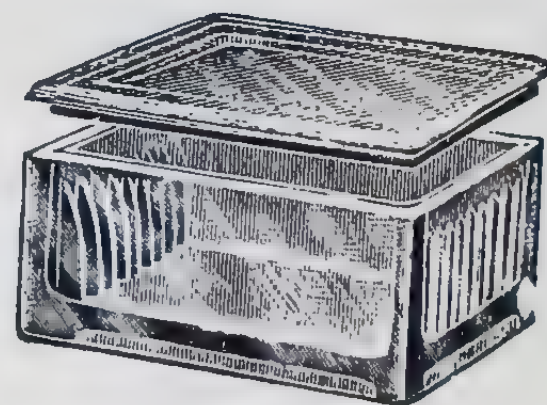
A-2311



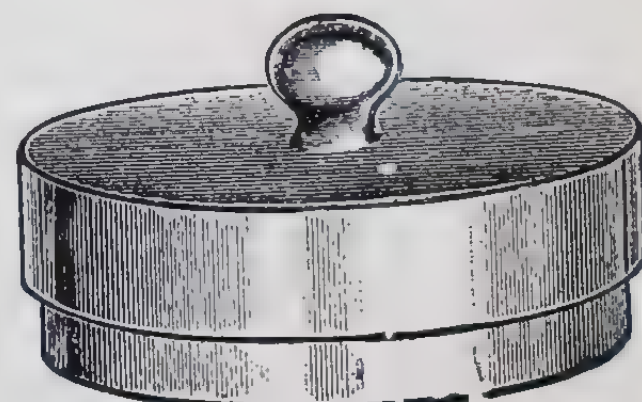
A-2368



A-2370



A-2358



A-2362

For description see next page



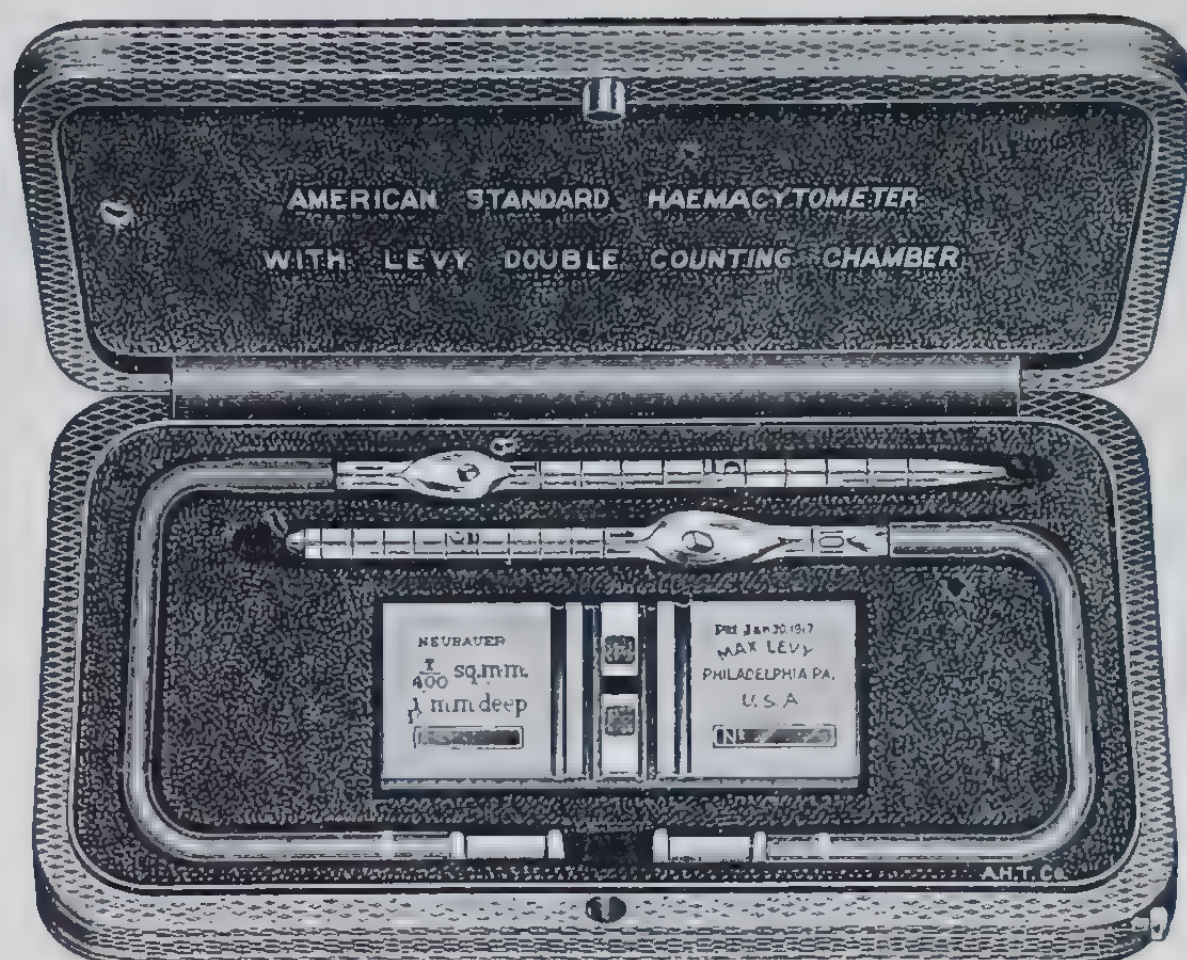
Laboratory Glassware

A-2300	Beakers, with lip, capacity cc.....	15	30	50	75	100	200	300	450
A-2302	Bottle, Balsam, with dropper and glass cap.								
A-2303	Bottle, Dropping, ground stopper, bulb pipette, 30 cc.								
A-2304	Bottle, Dropping, ground stopper, glass pipette, 30 cc.								
A-2305	Bottle, Dropping, ground stopper, closed with half a turn, 30 cc.								
A-2306	Bottle, Immersion Oil, unspillable.								
A-2308	Bottle, Reagent, lettered, narrow mouth glass stopper, 125 cc., 32 reagents.								
A-2310	Burette, Mohr's , plain, 10 cc., 25cc., 50 cc., 100 cc.								
A-2311	Burette, Mohr's , with stopcock, 10 cc., 25 cc., 50 cc.								
*A-2312	Burette connection, consisting of rubber tube, pinch cock and glass tip.								
A-2315	Dishes, Evaporating, porcelain, capacity cc.....	50	100	150	200	300	750		
A-2320	Dishes, Petri's , 50 mm., 80 mm., 100 mm., 120 mm.								
A-2322	Dishes, Pasteur, 100 mm.								
A-2324	Dishes, Preparation, loose cover, 50 mm., 60 mm., 80 mm.								
A-2326	Dishes, Stender , 50 mm., 60 mm., 80 mm., 100 mm.								
A-2328	Flasks, Erlenmeyer , capacity cc.....	30	60	120	250	500	1000	2000	
A-2330	Flasks, Koch's , capacity cc.....	30	60	120	250	500	1000	2000	
A-2335	Funnels, plain.								
A-2337	Funnels, ribbed.								
*A-2339	Glass Rod, diameter 2 to 12 mm.								
*A-2345	Glass Tubing, outside diameter 2 to 25 mm., lengths 1½ meters.								
A-2347	Graduates. Graduated both in cubic centimeters and ounces. Capacity cc.....	15	30	60	125	250	500	1000	
A-2350	Jars, Coplin's , staining.								
*A-2352	Jars, Specimen, 200 cc., 300 cc., 500 cc., 700 cc.								
A-2354	Jars, Specimen. With mouth same size as body. Rubber gasket and clamp. under side of glass cover.								
	Height, mm.....	100	150	200	300	150	200	300	200
	Diameter mouth, mm.....	57	57	57	57	88	88	88	125
	We can furnish larger sizes upon application								
*A-2356	Jars, Specimen, rectangular. White glass. Ground glass covers.								
	Height, mm.....	100	125	125	150	150	150	200	200
	Length, mm.....	65	100	100	100	75	100	125	150
	Width, mm.....	50	40	100	50	75	100	100	75
A-2358	Jar, square, staining, with cover, for 10 slides.								
A-2360	Lamps, Alcohol, glass, 1 oz., 2 oz., 4 oz.								
A-2362	Moist Chamber, glass, diameter, 200 mm., 240 mm.								
*A-2364	Pipettes, straight or curved, with bulb.								
*A-2366	Pipettes, straight, glass, 8 inch, 12 inch.								
A-2368	Pipettes, Mohr's , 1 cc., 2 cc., 5 cc., 10 cc., 25 cc., 50 cc.								
A-2370	Pipettes, Volumetric, 1 cc., 5 cc., 10 cc., 25 cc., 50 cc.								
*A-2375	Test Tubes, best clear thin glass; 4 inch, 5 inch, 6 inch.								
*A-2380	Thermometer, Chemical, all glass, graduated to 100°, 150°, 250° Cent.								
A-2382	Thermometer, Incubator, graduated to 50° Cent.								
A-2385	Watch Glasses. Thin. Concave form. Diameter mm.....	40	50	75	100	120			
A-2387	Watch Glasses, Syracuse , diameter 65 mm.								
*A-2389	Watch Glasses, Syracuse , with ground beveled surface.								
A-2391	Watch Glasses, square.								

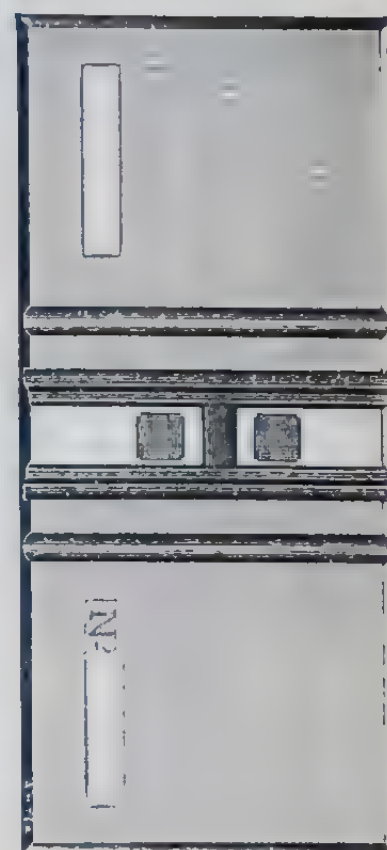
STANDARD SURGICAL INSTRUMENTS



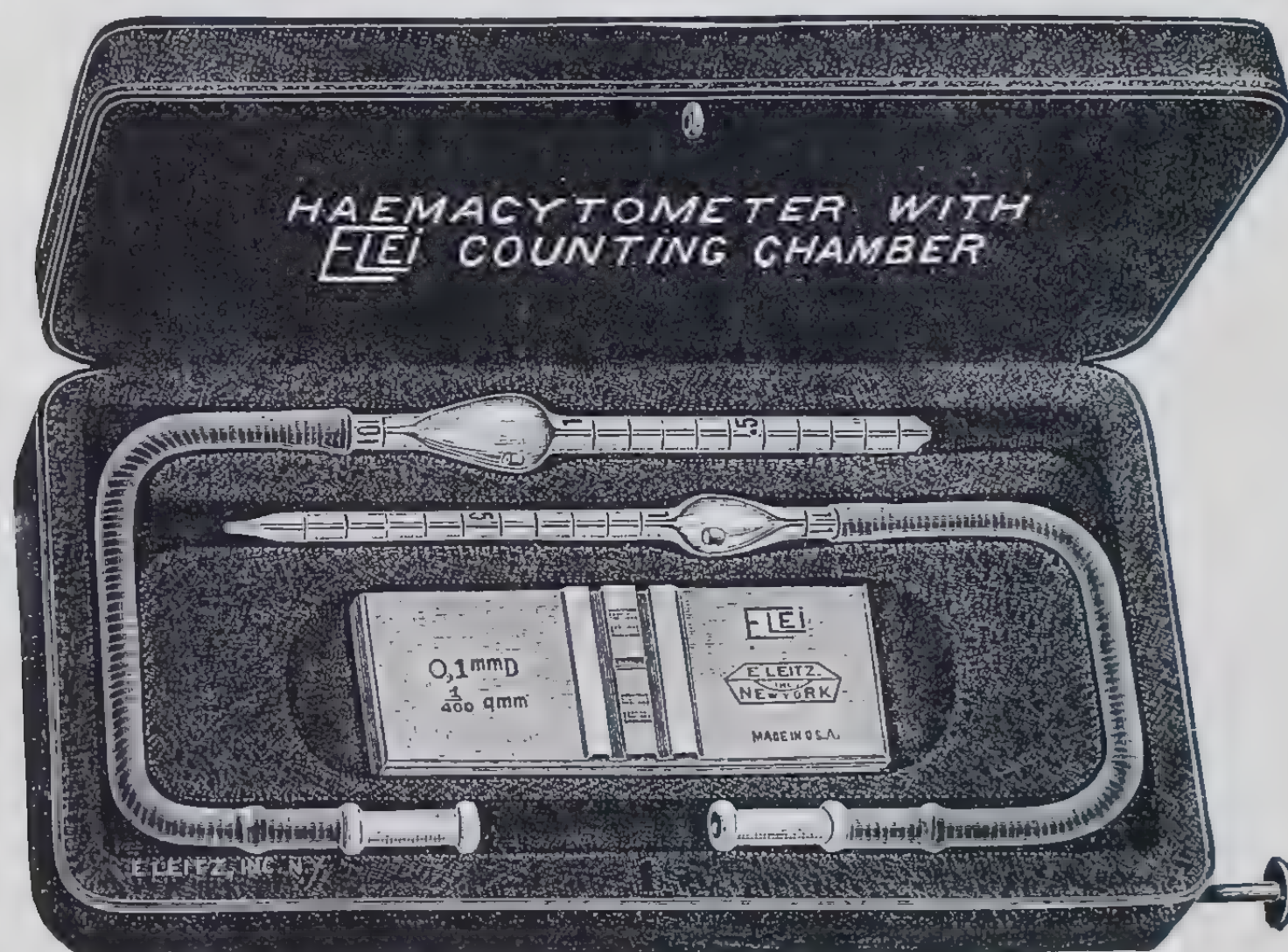
A-2425



A-2405-2410



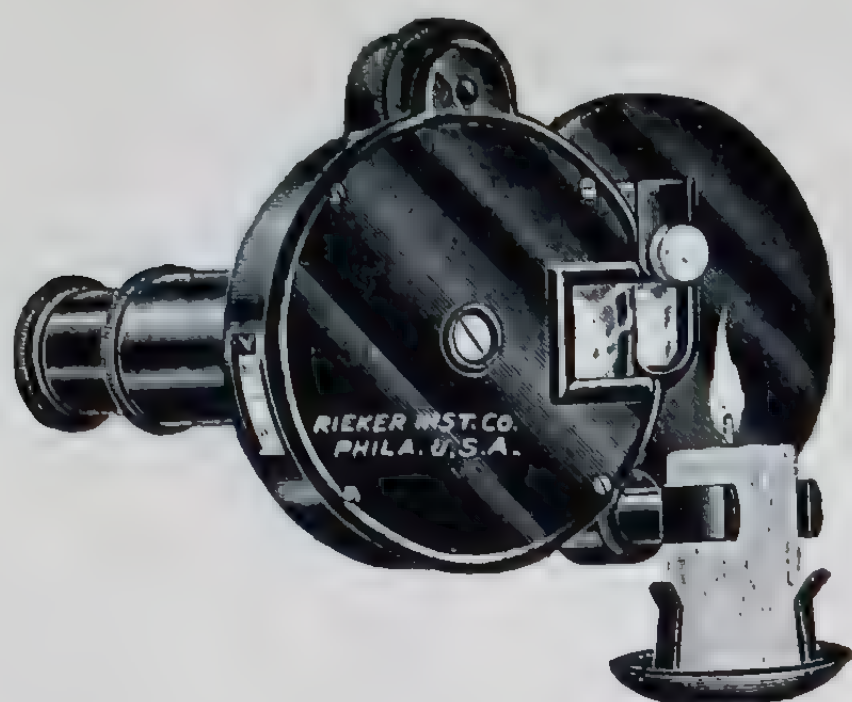
A-2430



A-2415-2420

Apparatus for Blood Testing

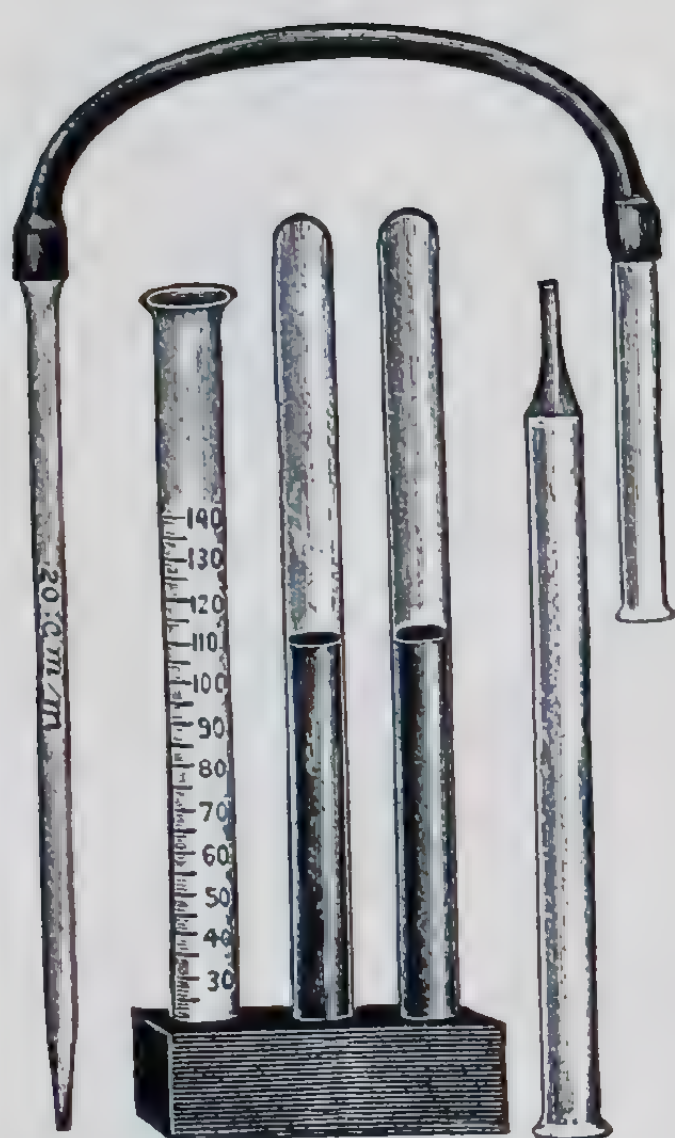
- A-2405 Haemacytometer, American Standard, with Levy counting chamber with single Neubauer ruling, complete in case as shown.
- A-2410 Haemacytometer, same as above, with double Neubauer ruling, Bureau of Standards certificate for the above, for both counting chamber and pipettes.
- A-2415 Haemacytometer, with **Elei** counting chamber, with single Neubauer ruling, complete in case as shown.
- A-2420 Haemacytometer, same as above, with double Neubauer ruling.
The **Elei** counting chamber and pipettes are guaranteed to meet the specifications of the Bureau of Standards.
- A-2425 **Levy** counting chamber, with single Neubauer ruling.
- A-2430 **Levy** counting chamber, with double Neubauer ruling.
- *A-2435 **Elei** counting chamber, with single Neubauer ruling.
- *A-2440 **Elei** counting chamber, with double Neubauer ruling.
- *A-2445 **Levy** Pipettes only, for red corpuscles.
- *A-2450 **Levy** Pipettes only, for white corpuscles.
- *A-2455 **Elei** Pipettes only, for red corpuscles.
- *A-2460 **Elei** Pipettes only, for white corpuscles.



A-2480



A-2490



A-2500



A-2510

Apparatus for Blood Testing

A-2480 Haemoglobinometer, **Dare's**, candle illuminated, in case.

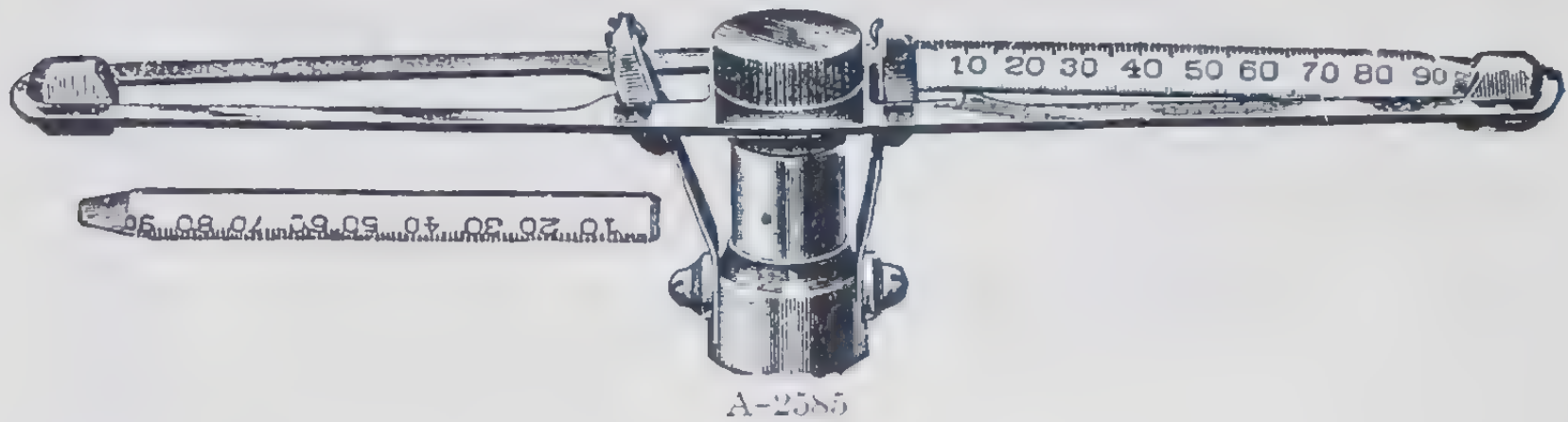
*A-2485 Haemoglobinometer, **Dare's**, for candle or electric light illumination, A. C. or D. C. current, complete with resistance unit, lamp, camera, connectors and cords, ready for use.

A-2490 Haemoglobinometer, **Dare's**, for electric light, with universal battery handle, in case.

A-2500 Haemoglobinometer, **Gower's**.

A-2510 Haemoglobinometer, **Tallquist's** scale.

Centrifuge Accessories



A-2596



A-2598



A-2587



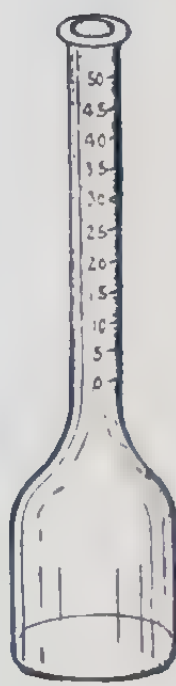
A-2592



A-2560



A-2570



A-2604



A-2562



A-2566



A-2568



A-2594



A-2606

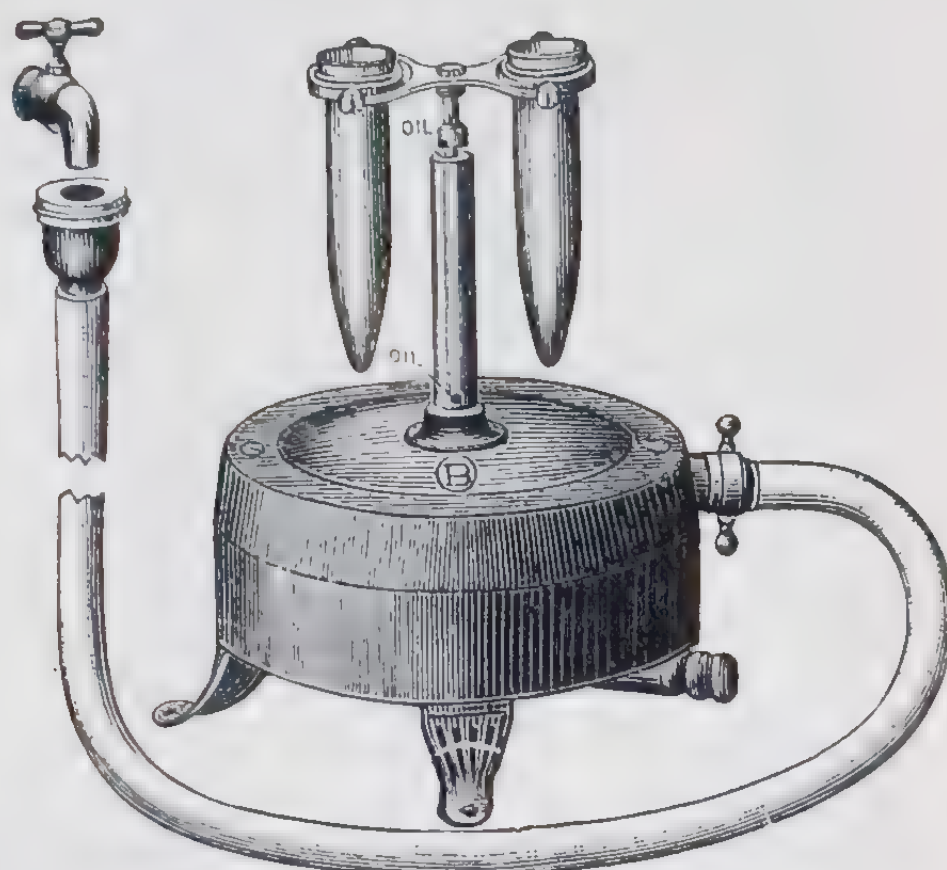


A-2574

For description see next page



A-2550

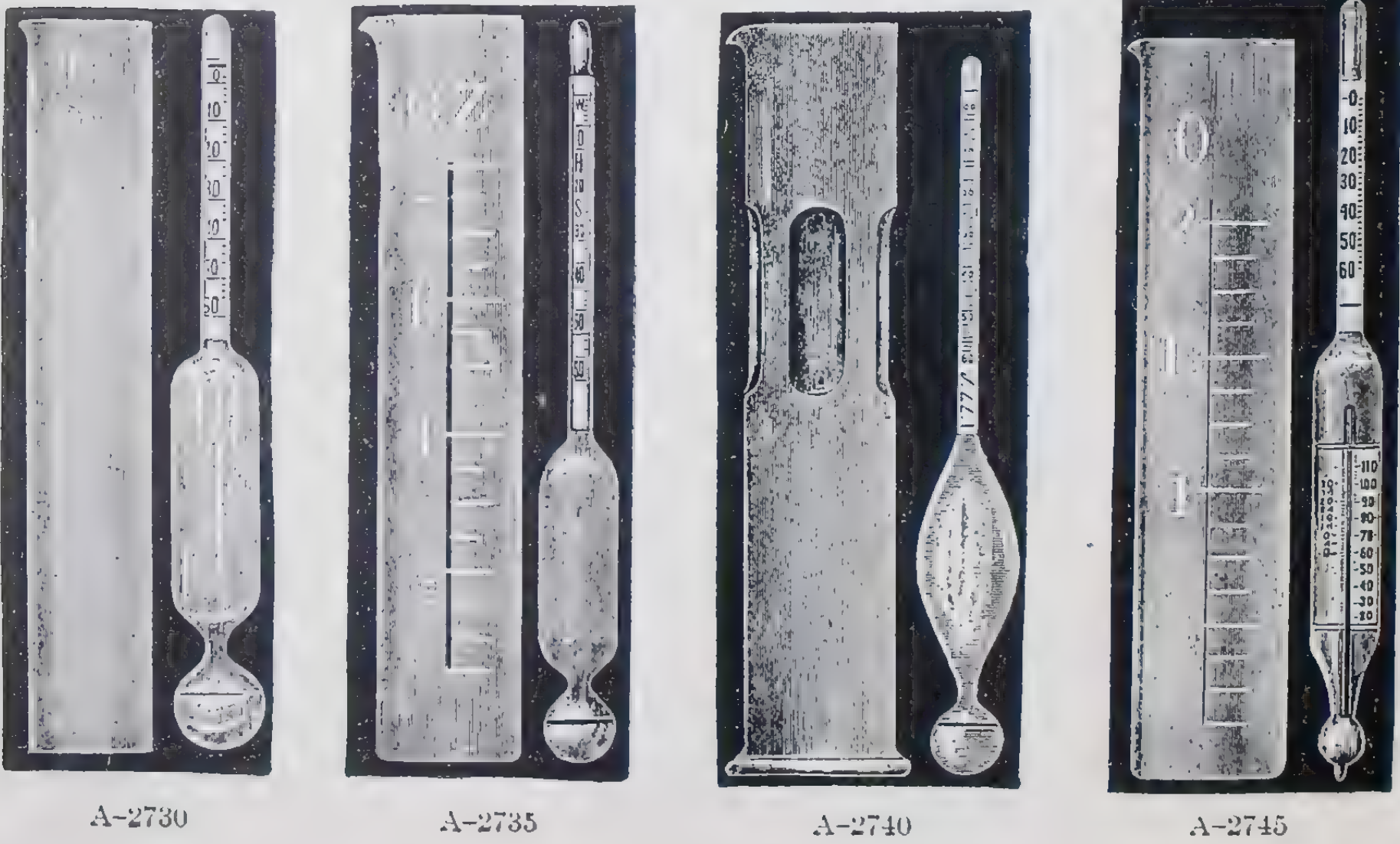
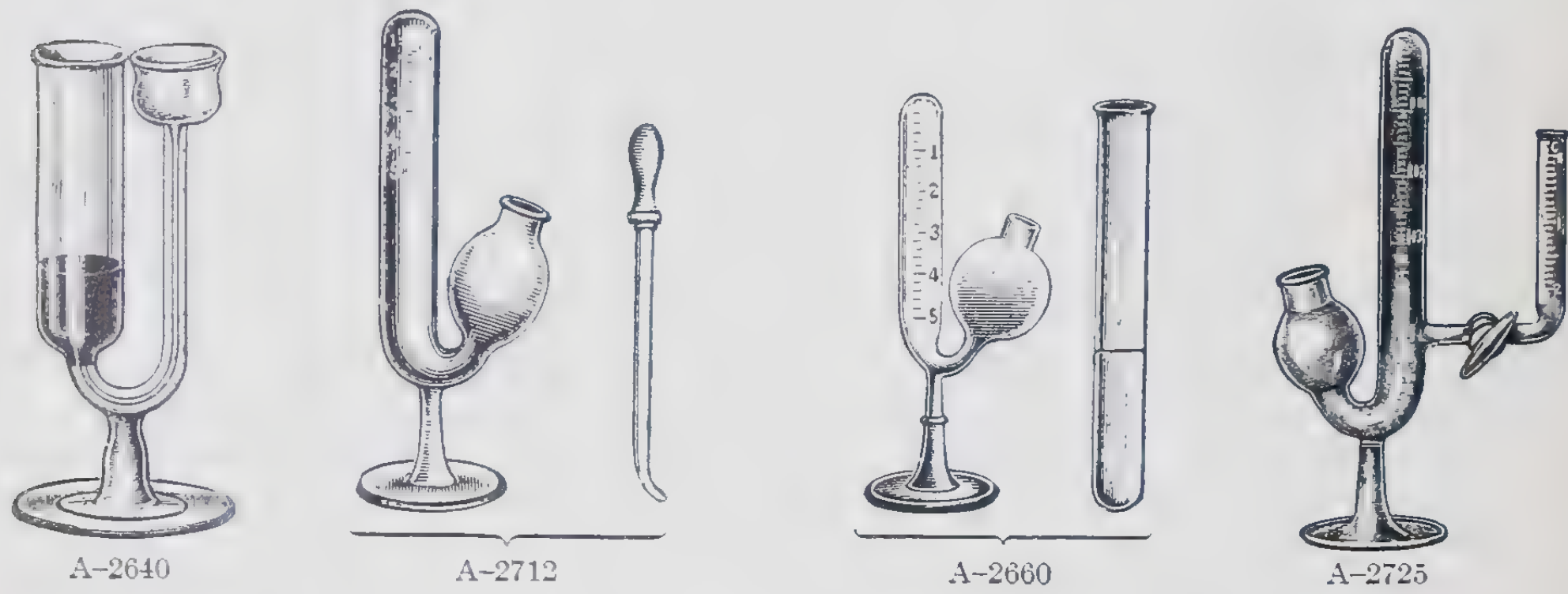
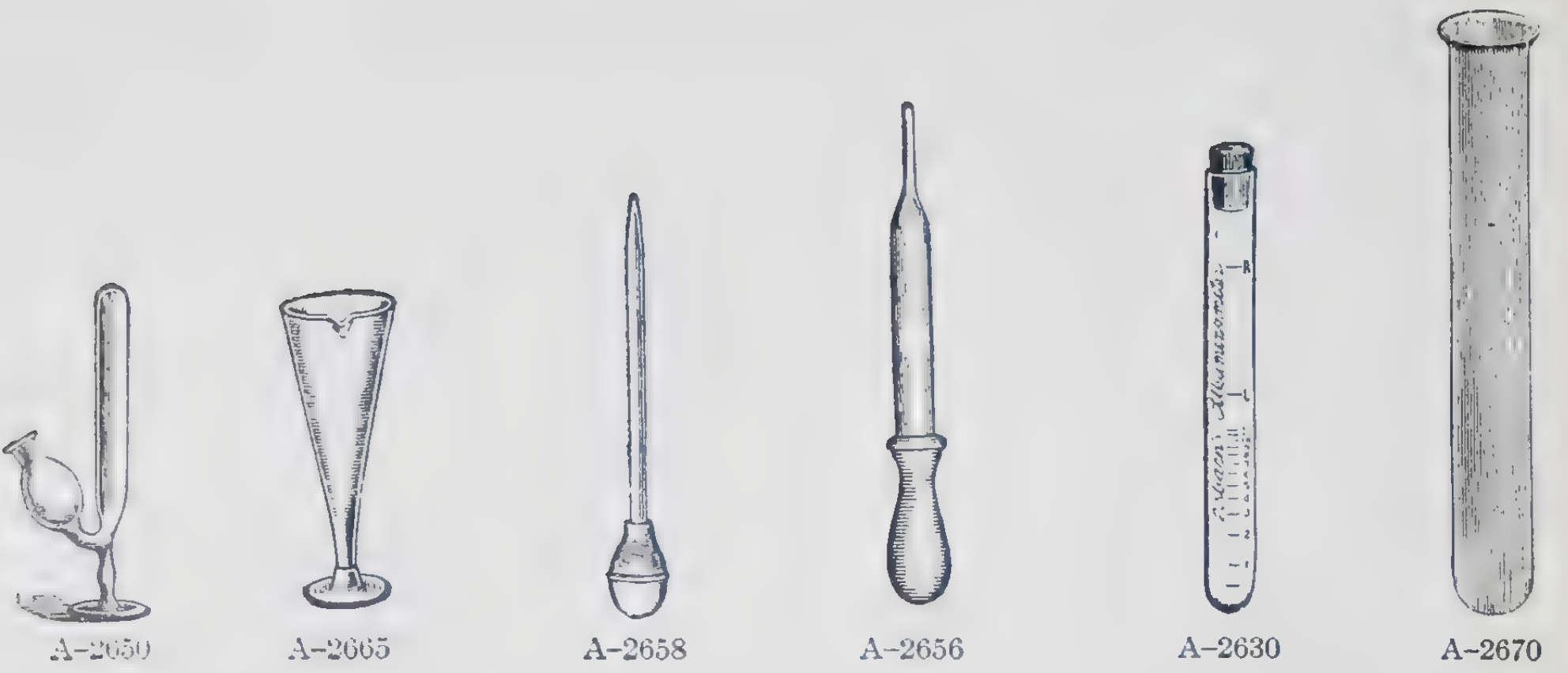


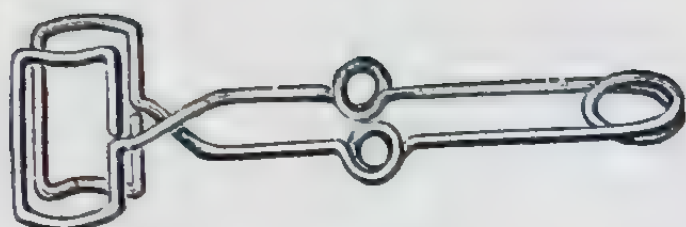
A-2555

Centrifuges and Accessories

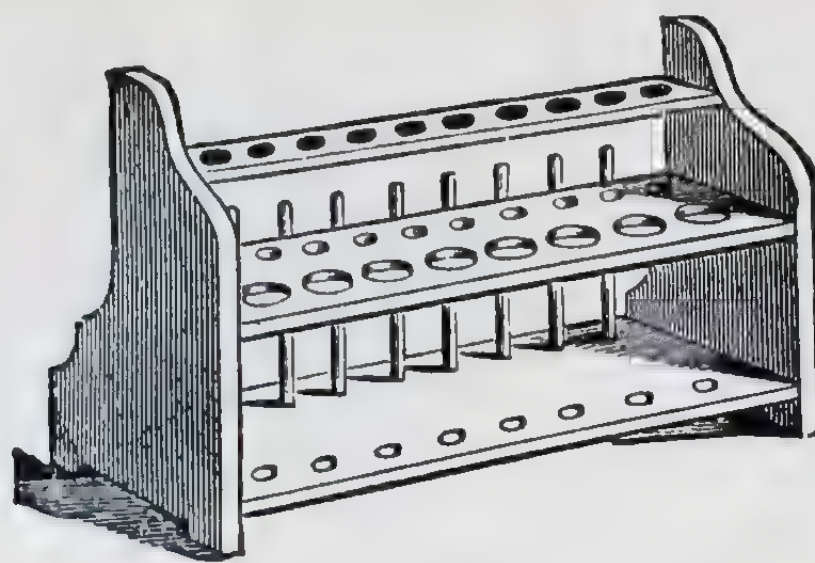
- A-2550 Hand Centrifuge, complete with one graduated and one plain 15 cc. tube.
- *A-2552 Hand Centrifuge, double speed, complete with one graduated and one plain 15 cc. tube, two sputum tubes, one Daland's Haematokrit and pipette for filling tubes.
- A-2555 Water Power Centrifuge, complete with one graduated and one plain 15 cc. tube.
- A-2560 Blood Lancet, automatic, light pattern.
- A-2562 Blood Lancet, automatic.
- *A-2564 Blood Lancet, **Boldt's**.
- A-2566 Blood Lancet, **Moore's**.
- A-2568 Blood Lancet, plain reversible.
- A-2570 Blood Needle, **McRae's**, for Wassermann test, with test tube.
- *A-2572 Blood Pipette, **Manley's**, complete with needle and rubber tubings, 10 cc., 20 cc., 30 cc.
- A-2574 Blood Pipette, automatic, for filling blood tubes.
- *A-2576 Centrifuge Clamp, for attaching the centrifuge to the table.
- *A-2578 Centrifuge Four-Tube Attachment. This attachment is used in board of health and other laboratories for milk analysis, etc., as four tests can be made at one time.
- *A-2580 Centrifuge Guard for Haematokrit. This attachment consists of a metal shield which fits over the haematokrit, so that the revolving parts are entirely closed.
- A-2585 Centrifuge, Haematokrit, **Daland's**.
- A-2587 Centrifuge Milk Tubes. These tubes are used for milk analysis in place of the regular sedimentation tubes and are graduated to give percentage readings of fats in milk according to the Leffman-Beam or Babcock methods. Very useful for human as well as cow's milk analysis.
- *A-2590 Centrifuge Percentage Tubes. For the haematokrit. With accurate lumen, lens-edge to magnify column of blood and the graduations, and graduated in millimeters from 0 to 100.
- A-2592 Centrifuge Pipette. For filling milk tubes. Graduated to 1 cc.
- A-2594 Centrifuge Pipette. For filling haematokrit tubes.
- A-2596 Centrifuge Sedimentation Tubes. Graduated in 1-10 cc. to 10 cc., with conical end to aid in reading small deposits.
- A-2598 Centrifuge Sedimentation Tubes. Ungraduated. For collecting sediments for microscopical examination.
- *A-2600 Centrifuge Shield Tubes. Of aluminum. These shields protect the glass sedimentation tubes. They are regularly furnished with the centrifuge, but are listed extra for renewal in case of damage.
- *A-2602 Centrifuge Sputum Tubes. For use in haematokrit frame. Same shape as percentage tubes. Ungraduated.
- A-2604 Milk Bottle, **Babcock's**, for 10 per cent fat.
- A-2606 Stopper, **Bunnell's**, for blood pipette. Used for closing the pipette after taking blood at bedside. Where the pipette must be carried from the bedside to the laboratory for counting this little stopper will be found practical and useful.

STANDARD SURGICAL INSTRUMENTS





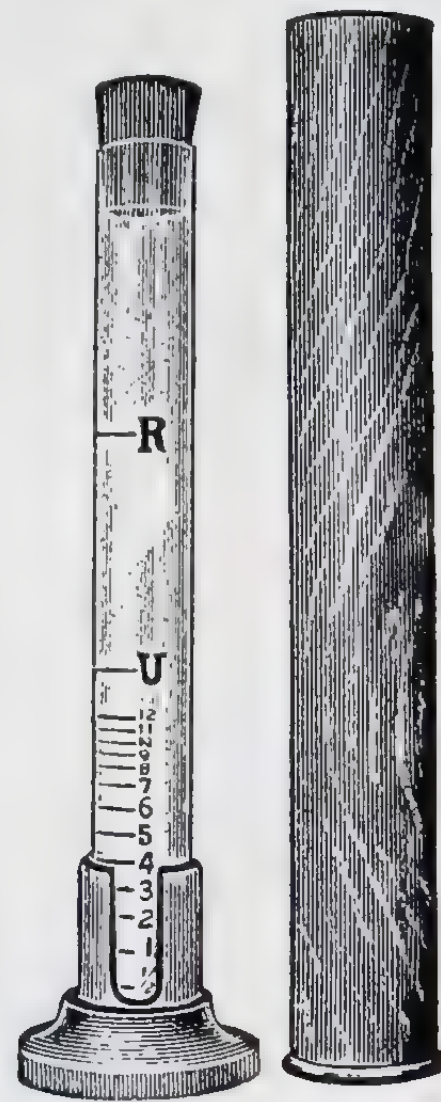
A-2675



A-2680



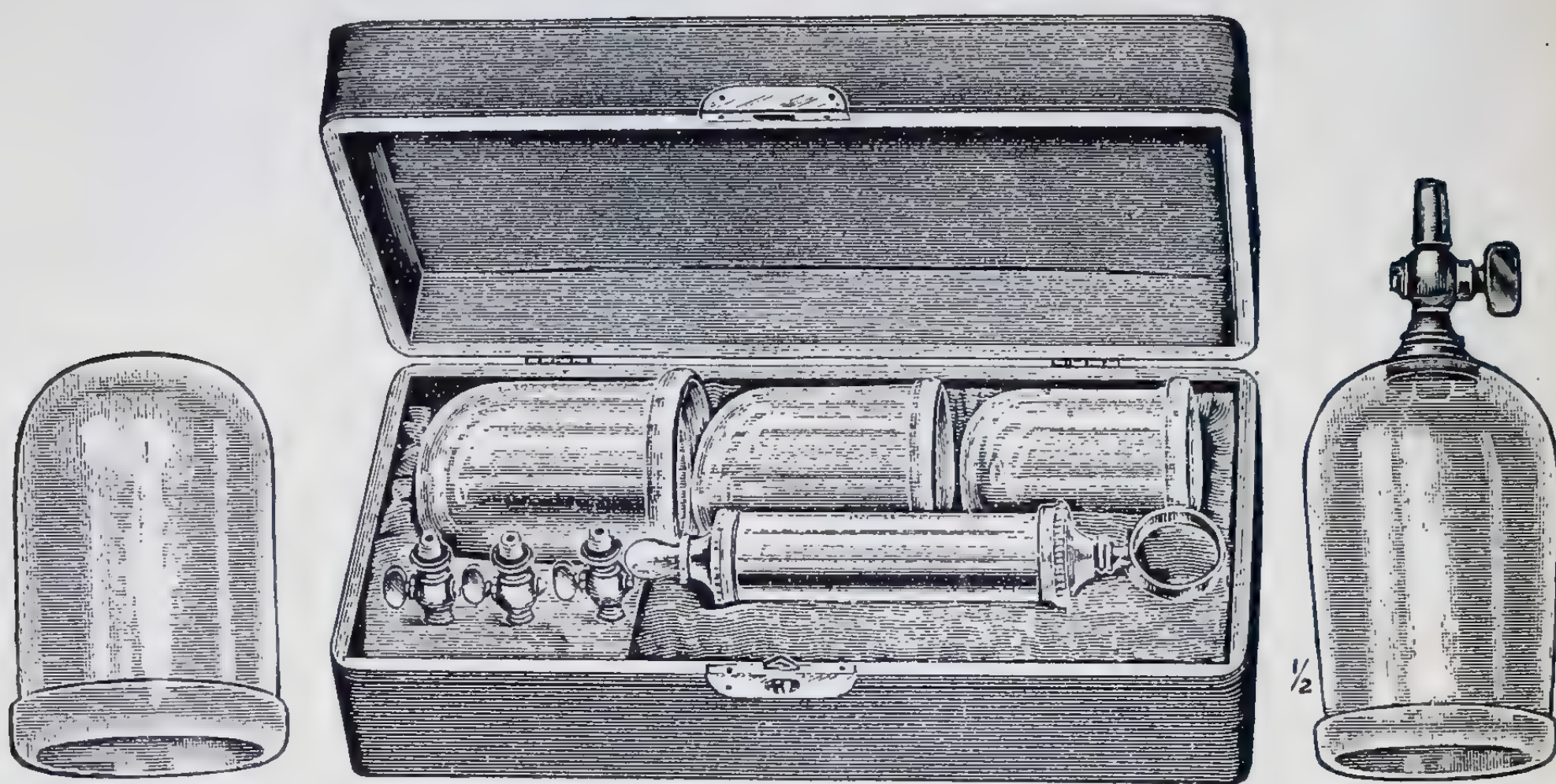
A-2755



A-2635

Apparatus for Urinalysis

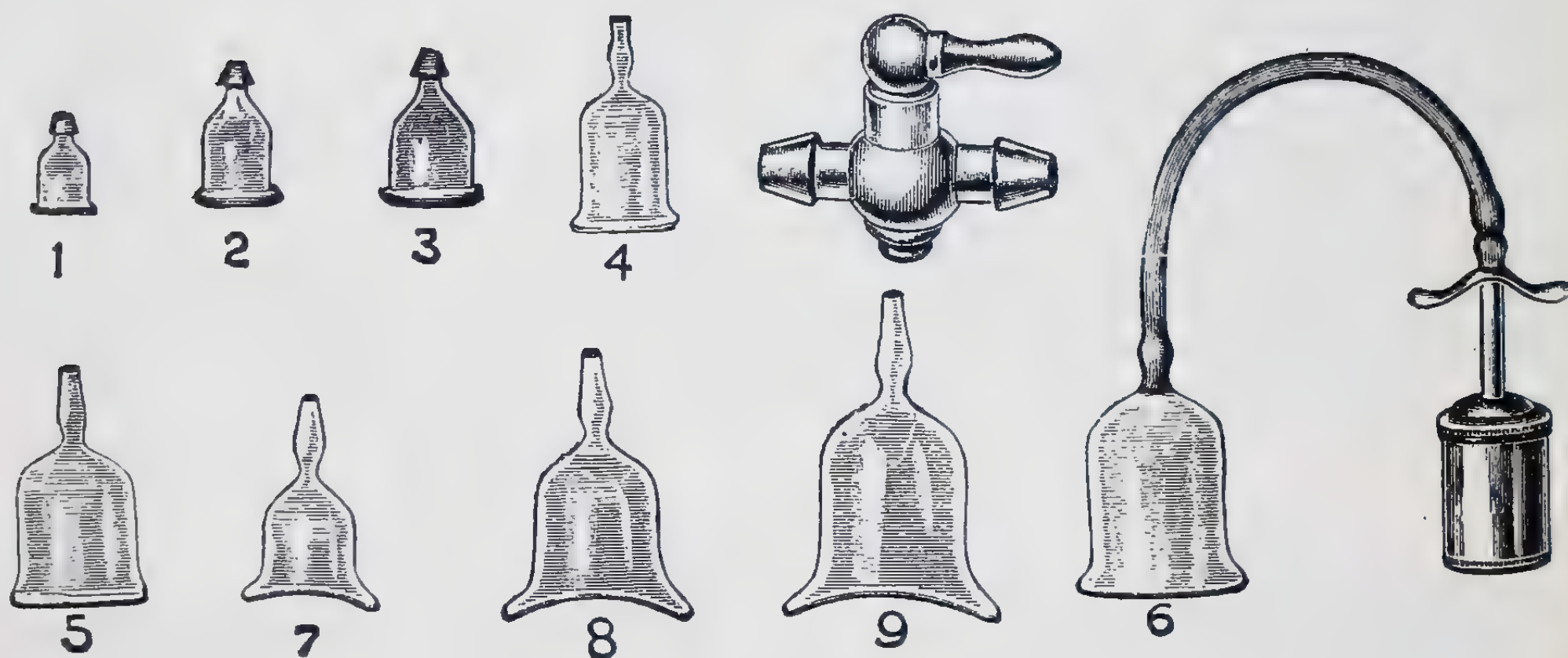
- A-2630 Albuminometer, **Esbach's**, for quantitative estimation of albumen in urine.
- A-2635 Albuminometer, **Esbach's**, on wood stand.
- A-2640 Albumoscope, for detection of albumen in urine with nitric acid. It is quick and sensitive (to 1-60 per cent) bringing the acid full strength into contact with the urine.
- A-2650 Fermentation Tube, ungraduated.
- *A-2651 Fermentation Tube, graduated.
- A-2656 Pipette, ordinary, per dozen.
- A-2658 Pipette, long, 8 inches, 12 inches.
- A-2660 Saccharometer, **Einhorn's**, fermentation.
- A-2665 Sedimentation Glasses, conical, 100 cc. capacity.
- A-2670 Test Tubes, 4 inches, 5 inches and 6 inches, per dozen.
- A-2675 Test Tube Holder, wire.
- A-2680 Test Tube Rack, to hold 10 tubes.
- *A-2685 Test Paper, Congo, dozen books in box.
- *A-2690 Test Paper, Litmus, blue.
- *A-2700 Test Paper, Litmus, red.
- *A-2705 Test Pencil, Litmus, red and blue.
- A-2710 Urea Apparatus, **Squibb's**, for estimation of urea in urine by displacement. Complete, with 50 cc. bottle of reagent.
- A-2712 Ureometer, **Doremus'**, for rapidly estimating amount of urea by hypobromate method. With graduated pipette and graduated fermentation tube on foot.
- *A-2715 Ureometer, **Doremus'**, same as above, without foot.
- *A-2720 Ureometer, **Doremus-Hinds'**, improved form with glass stopcock in connection between graduated side tube and fermentation tube by which a definite amount of urine is admitted to the fermentation tube without the escape of gas.
- A-2725 Ureometer, **Doremus-Hinds'**, on glass foot.
- A-2730 Urinometer, plain.
- A-2735 Urinometer, milk glass scale, and graduated jar.
- A-2740 Urinometer, **Squibb's** pattern.
- A-2745 Urinometer, with thermometer.
- A-2755 Urine Test Set, complete with reagents, as illustrated.
- *A-2765 Urine Test Set, **Douglass'**, same as above but with removable glass base plate of opal glass.



A-2795

A-2810

A-2800



A-2820-2825

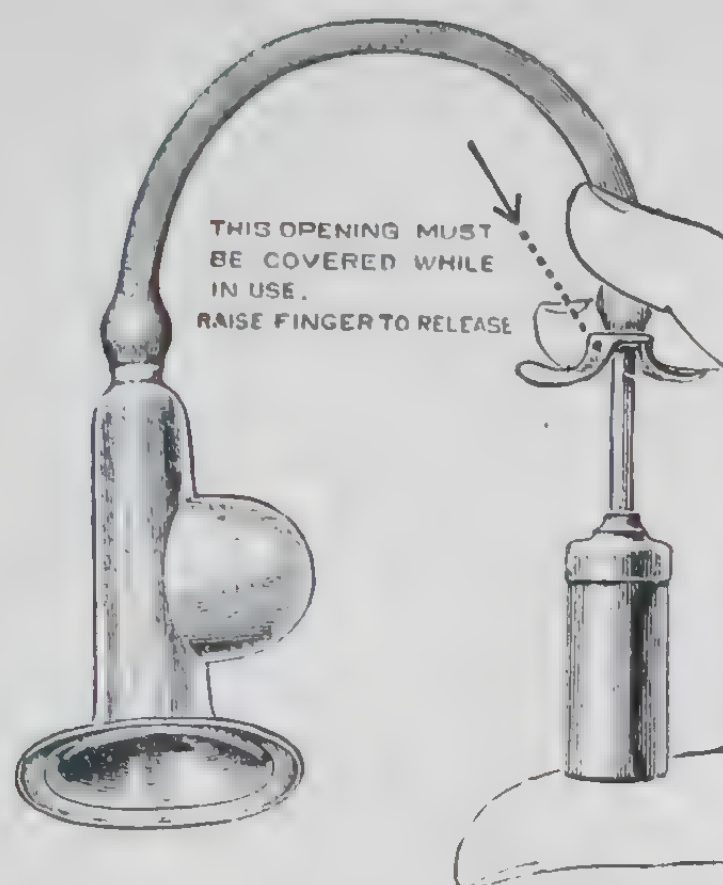
Cupping Cups

- *A-2790 Congester, penis, soft rubber tube and metal pump, with release valve and stopcock.
- A-2795 Cupping Cups, glass, plain, 3 sizes.
- A-2800 Cupping Cups, glass, plain, with stopcock, 3 sizes.
- *A-2805 Cupping Cups, with soft rubber suction bulb, 3 sizes.
- A-2810 Cupping Set, with 3 glass cups and stopcocks, metal suction pump, in case.
- A-2815 Cupping Set, complete with 4 cupping cups, 1 breast developer, and 1 penis congener with rotary suction pump.
- A-2820 Cupping Set, **Yale**, with Yale vacuum pump, 3 cups, Nos. 4, 5 and 6, in leatherette covered box.
- A-2825 Cupping Set, **Yale**, with Yale vacuum pump, cups Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, stopcock and tubing as illustrated.

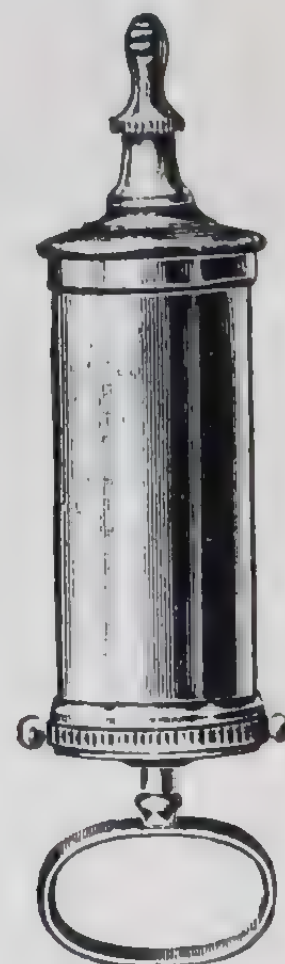
NOTE—A circular giving complete list of Biers' Cups for artificial hyperemia mailed on request.



A-2835



A-2860



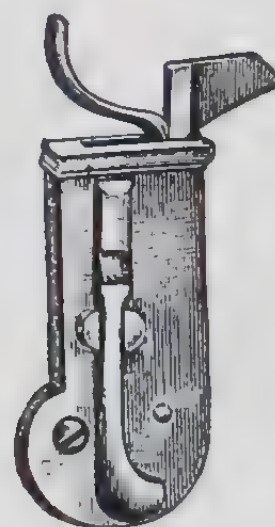
A-2862



A-2865



A-2875-2880

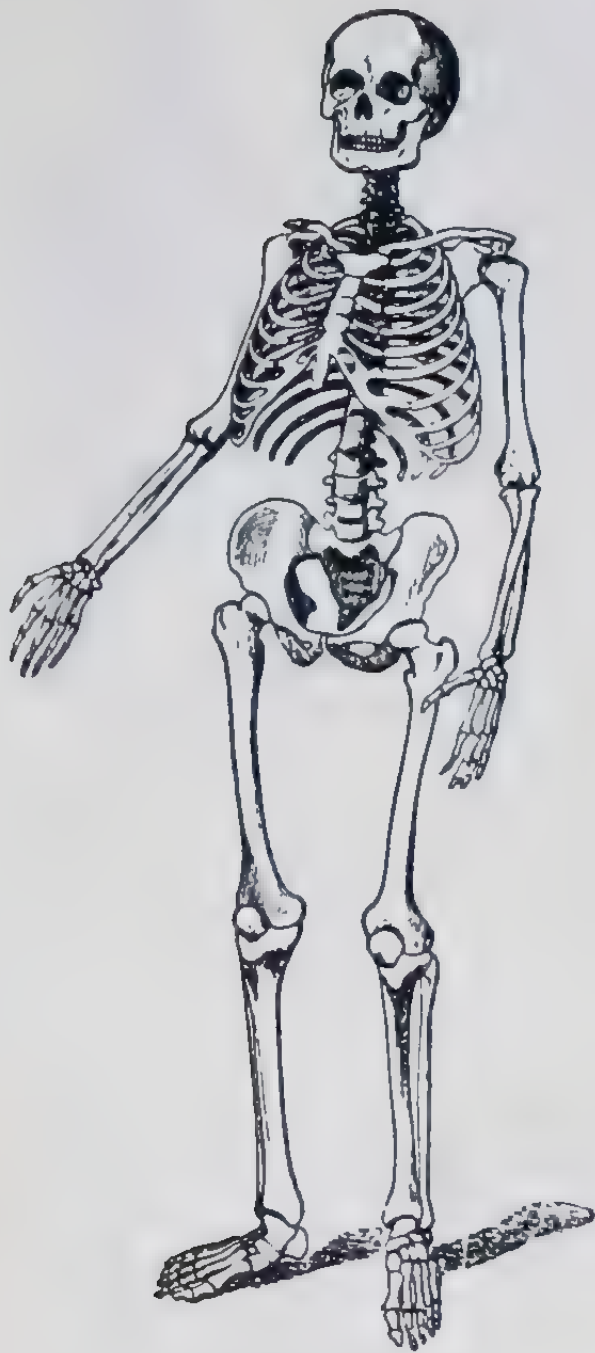


A-2885

Cupping Pumps, Breast Developers, Scarificators

- *A-2830 Developer, Breast, glass, with rubber bulb.
- A-2835 Developer, Breast, glass, with metal suction pump and stopcock.
- *A-2840 Developer, Breast, glass, with metal rotary suction pump and release valve.
- *A-2850 Pump, Breast, glass, with rubber bulb.
- *A-2855 Pump, Breast, glass, with rotary metal suction pump.
- A-2860 Pump, Breast, **Yale**.
- A-2862 Pump, suction, small, medium and large.
- A-2865 Scarificator, **Baunscheidt's**, for counter irritation.
- A-2870 Scarificator, reversible, 12 blade.
- A-2875 Scarificator, reversible, 10 blade.
- A-2880 Scarificator, reversible, 8 blade.
- A-2885 Spring Lancet, fine, in case.

Osteological Preparations



A-2953-2958



A-2975-2977



A-3015

- *A-2950 Skeleton, disarticulated, ordinary.
- *A-2951 Skeleton, disarticulated, selected.
- *A-2952 Skeleton, disarticulated, extra fine.
- A-2953 Skeleton, German articulation, ordinary.
- A-2954 Skeleton, German articulation, selected.
- A-2955 Skeleton, German articulation, extra fine.
- A-2956 Skeleton, **Tramond's**, best French articulation ordinary.
- A-2957 Skeleton, **Tramond's**, best French articulation selected.
- A-2958 Skeleton, **Tramond's**, best French articulation, extra fine.
- *A-2970 Skeleton, foetal, mounted on stand.
- *A-2972 Skull, disarticulated, in pasteboard box, ordinary.
- *A-2973 Skull, disarticulated, in pasteboard box, selected.
- *A-2974 Skull, disarticulated, in pasteboard box, extra fine.
- A-2975 Skull, plain, lower jaw articulated, ordinary.
- A-2976 Skull, plain, lower jaw articulated, selected.
- A-2977 Skull, plain, lower jaw articulated, extra fine.
- *A-2979 Skull, 2 cut, articulated, fine.
- *A-2981 Skull, 5 cut, articulated, fine.
- *A-2983 Skull, 7 cut, articulated, fine.
- *A-2985 Skull, disarticulated, mounted according to Beauchene's method, all bones being united with polished metal strips. The bones may be disconnected and can be studied separately. Mounted on wood base, with glass dome cover.
- *A-2990 Skull, foetal.
- *A-2995 Spinal column, articulated on catgut.
- *A-2997 Pelvis, female, without ligaments.
- *A-2999 Pelvis, female, with ligaments.
- *A-3000 Arm and Hand, articulated.
- *A-3005 Hand, articulated with catgut.
- *A-3007 Leg and Foot, articulated.
- *A-3010 Foot, articulated with catgut.
- A-3015 Cross Bones (femurs), per pair.
- *A-3020 Temporal Bone, bisected through the mastoid, etc.
- *A-3025 Iron Stand, finished in aluminum bronze, adjustable to any height, for suspending skeleton.

ANATOMICAL STAMPS

We carry a full line of rubber stamps in stock, but space will not permit us to list them. A complete illustrated price list of these stamps will be mailed upon request.

Section "B"



Anaesthetic

General Operating

Osteotomy

Trepanning

Bullet

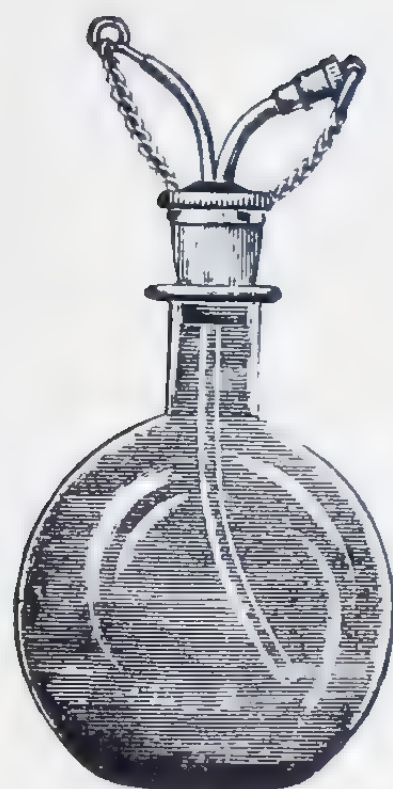
Pocket Case

Cautery

Ligatures

Sutures

Dressings, Etc.



B-1



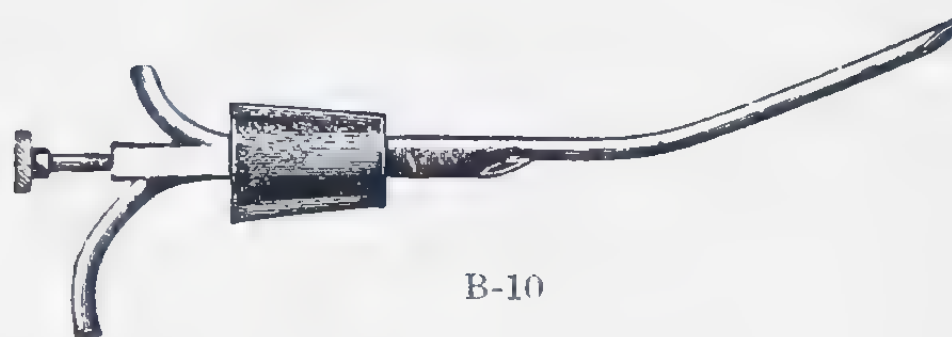
B-3-5



B-7



B-9



B-10

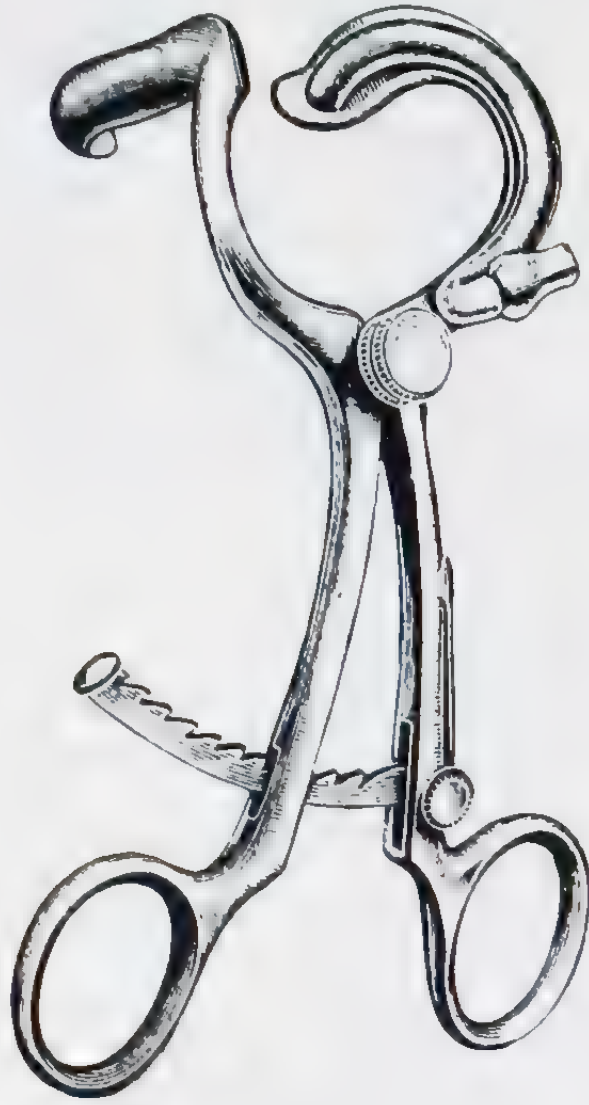
Anaesthesia Accessories

Drop Bottles, Droppers

- B-1 **Esmarch's.**
- B-3 Crystal, flat stopper, 100 cc.
- B-5 Amber, flat stopper, 100 cc.
- B-7 Crystal, with white enameled label Chloroform, 60 cc., 150 cc.
- B-9 Crystal, with white enameled label, Ether, 60 cc., 150 cc.
- B-10 Dropper, **Pinneo's**, regulating, 4½ inches, 7 inches.



B-15



B-20



B-25



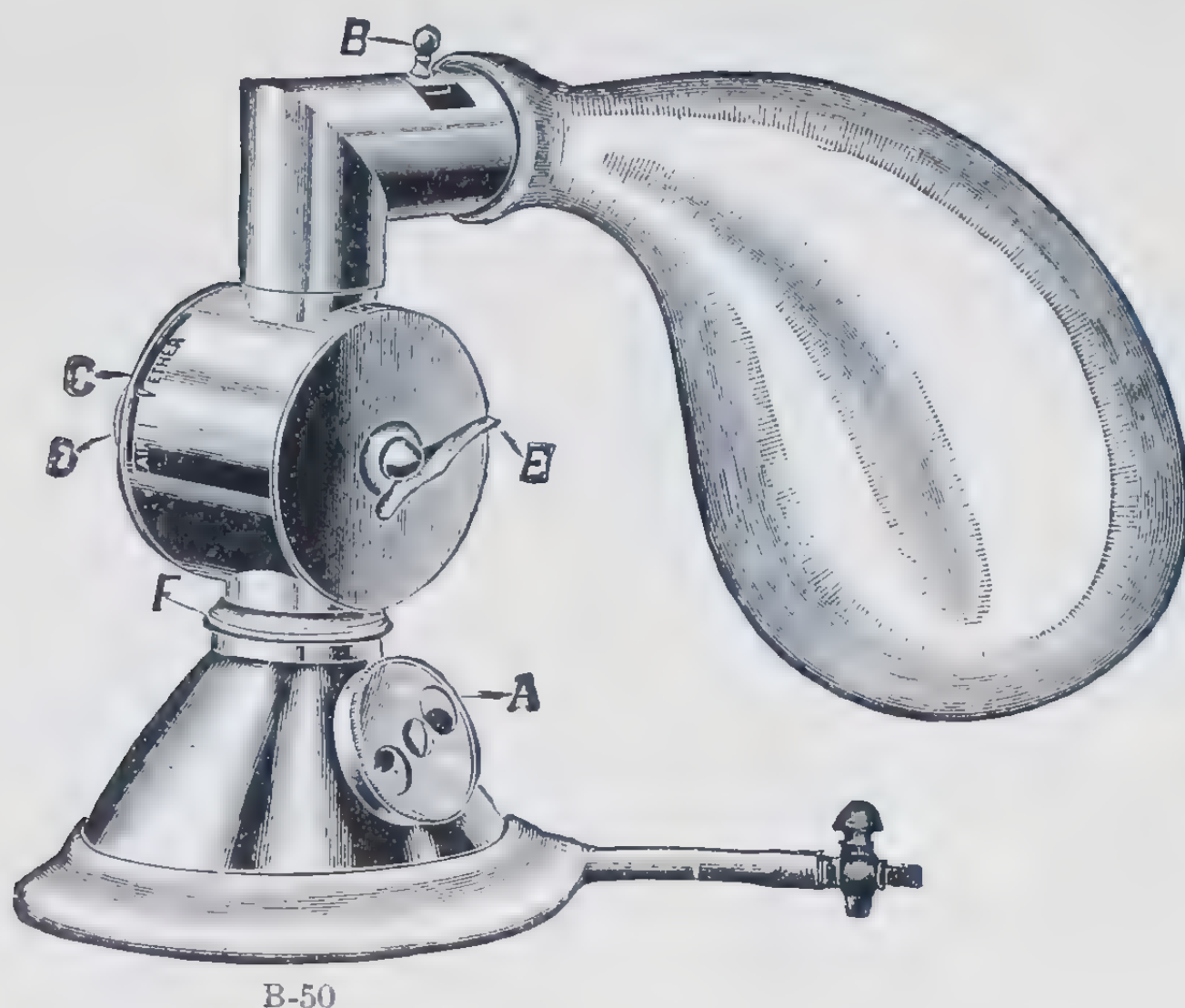
B-30



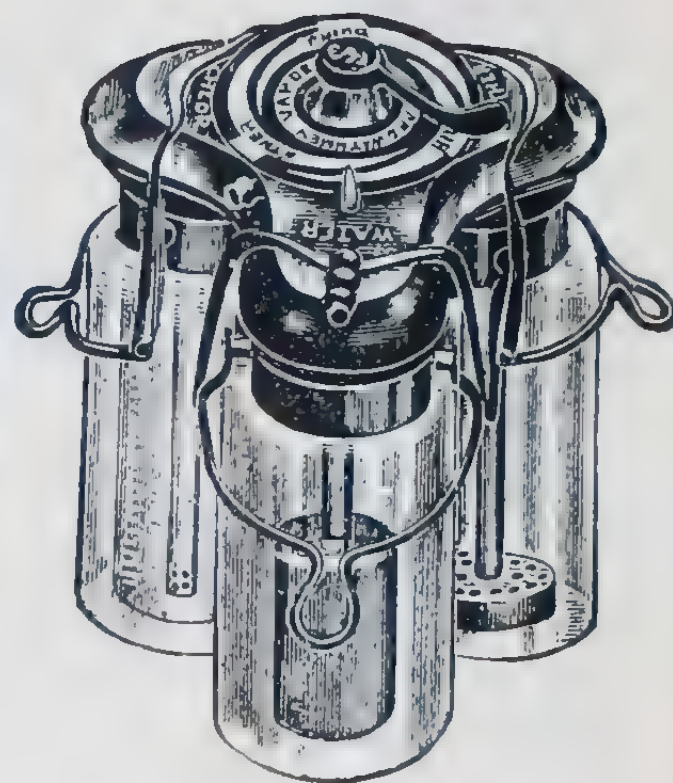
B-35

Gags with Anaesthesia Attachment

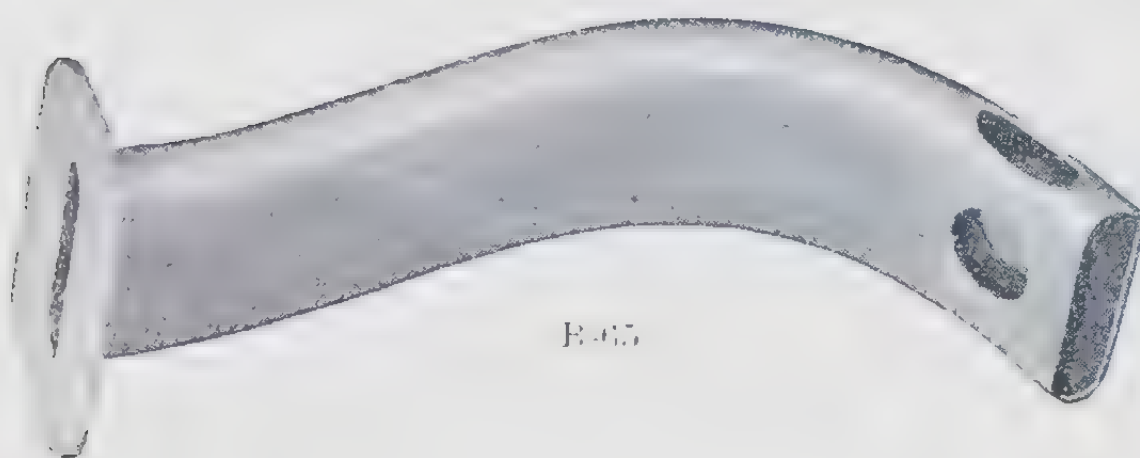
- B-15 Gag, **Denhard's**, with anaesthetic tube.
- B-20 Gag, **Doyen's**, with anaesthetic tube.
- B-25 Gag, **Ferguson's**, with anaesthetic tube.
- B-30 **Jenning's**, with anaesthetic tube.
- B-35 Screw, oral, hard rubber, for forcing the mouth open.



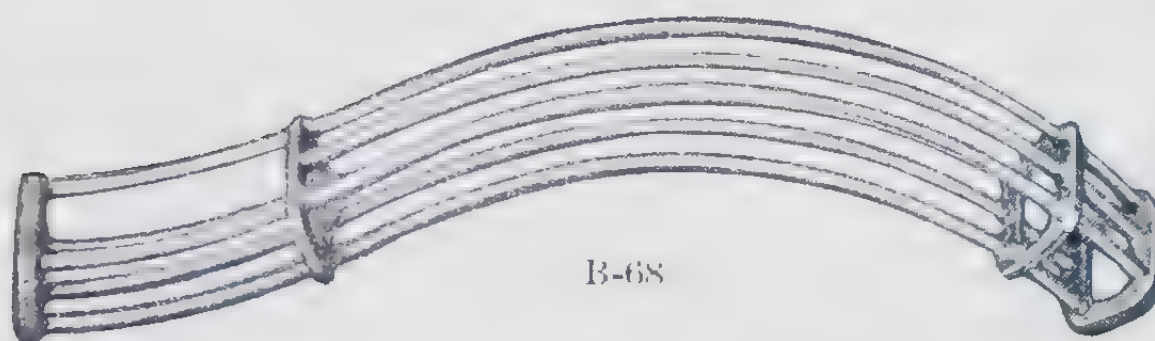
B-50



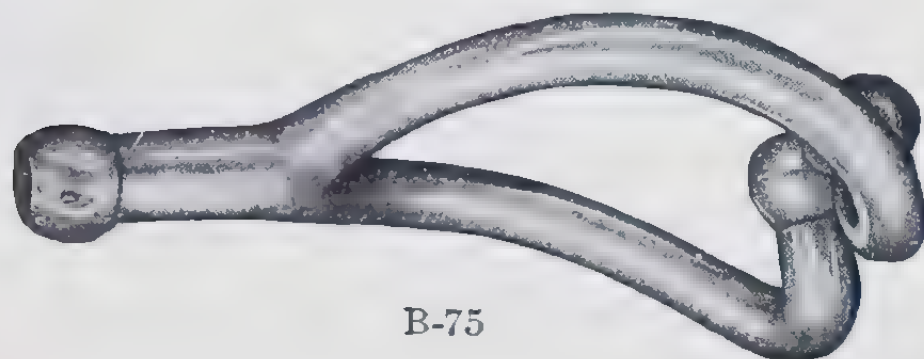
B-60



B-65



B-68



B-75



B-70



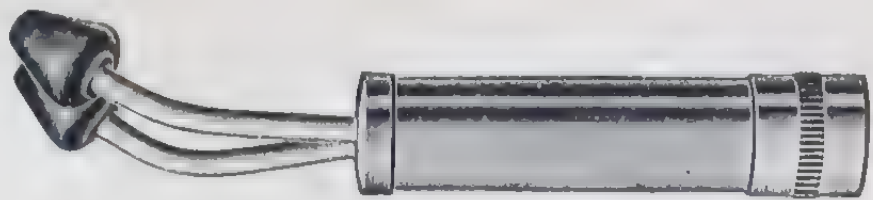
B-71

Gas-Ether Inhalers, Airways and Tubes

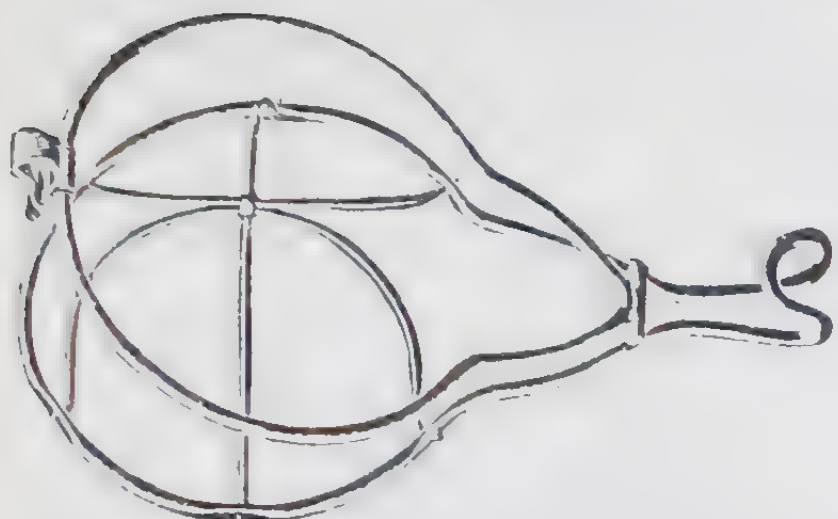
- B-50 Bennett's, gas-ether, in case or without case.
- *B-55 Gwathmey's, gas-ether, original.
- B-60 Gwathmey's, three bottle.
- B-65 Connell's Airway.
- B-68 Lumbar's Airway.
- B-70 Gwathmey's Mouth Hook Tube, long.
- B-71 Gwathmey's Mouth Hook Tube, short.
- B-75 Sanford's Nasal Tube, double.



B-102



B-103



B-106



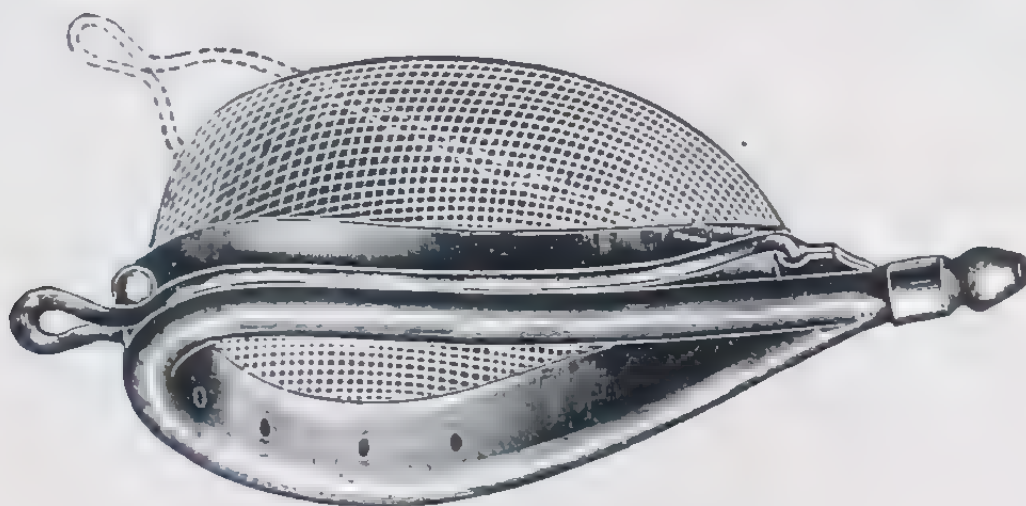
B-105



B-110



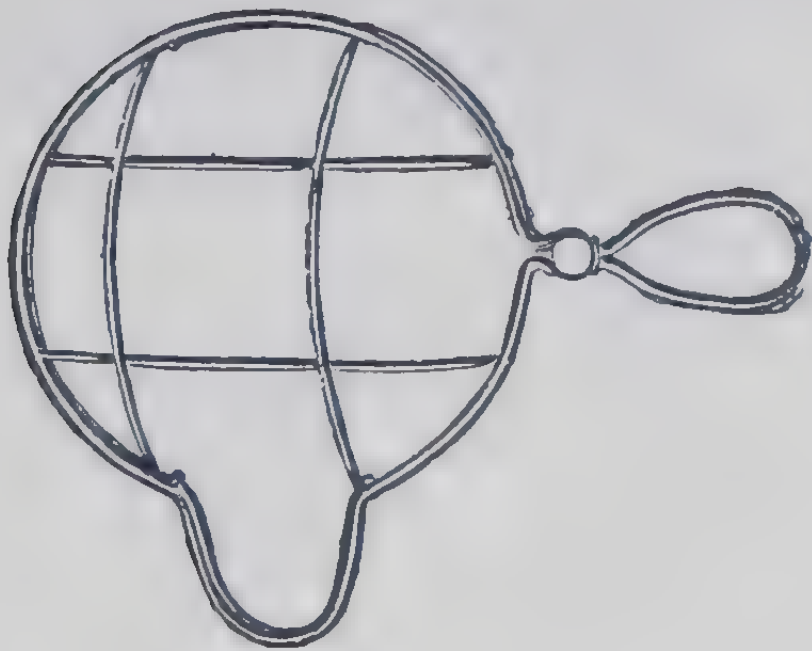
B-112



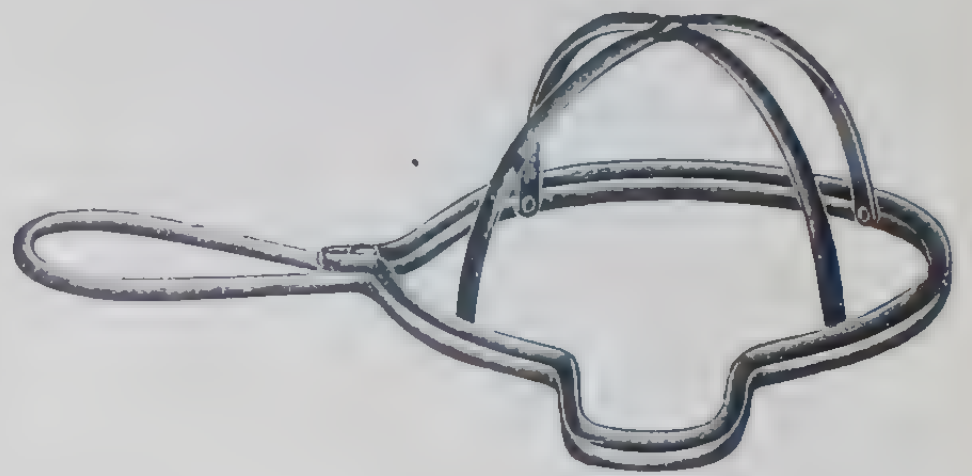
B-114

Inhalers, Chloroform, Ether and Vapor

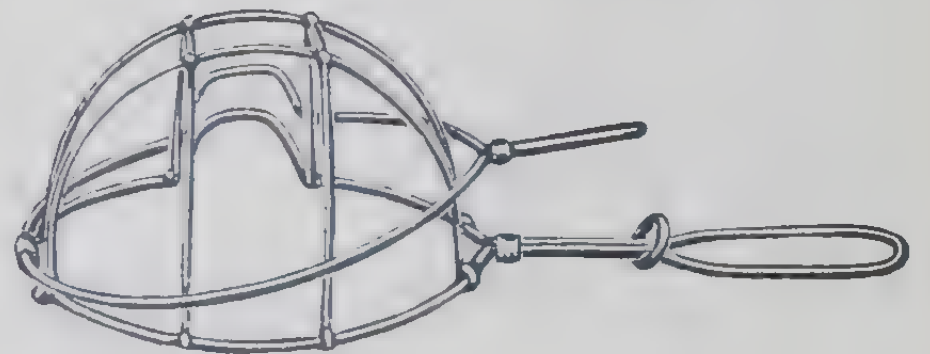
- *B-100 Allis', improved, metal, nickel-plated.
- *B-101 Allis', improved, aluminum.
- B-102 Allis', improved, aluminum with inflating rubber face cushion.
- B-103 Bennett's, for obstetrical use.
- B-105 Esmarch's, with drop bottle and cover.
- B-106 Esmarch's, folding with cover.
- B-110 Gwathmey's, with cover and inflatable rubber face cushion.
- B-112 Gwathmey-Yankauer's Vapor Mask.
- B-114 Lumbard-Yankauer's Vapor Mask.



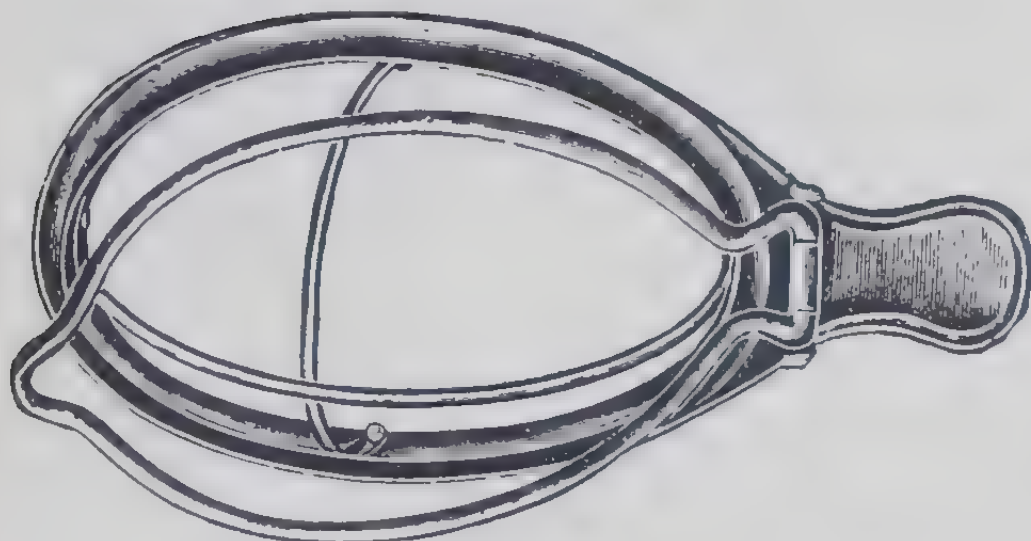
B-120



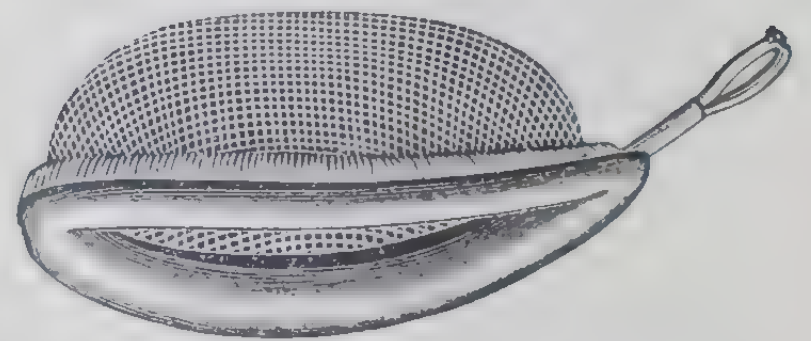
B-125



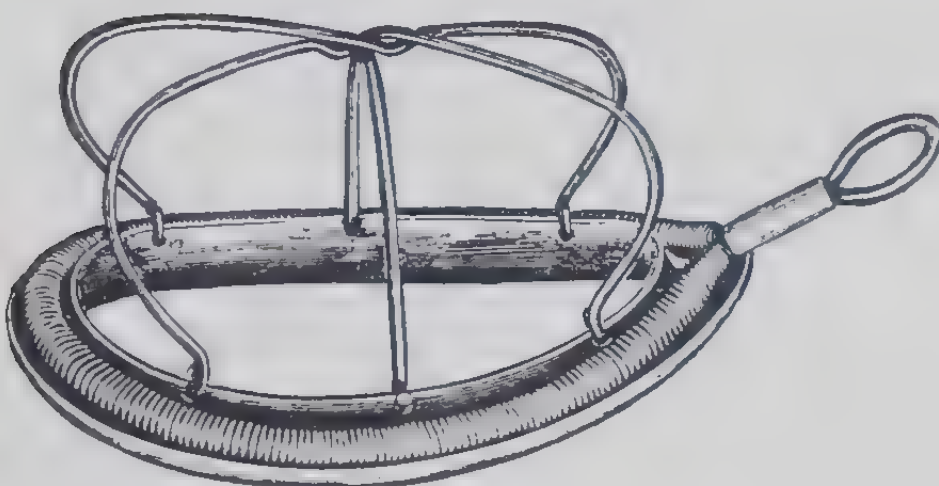
B-130



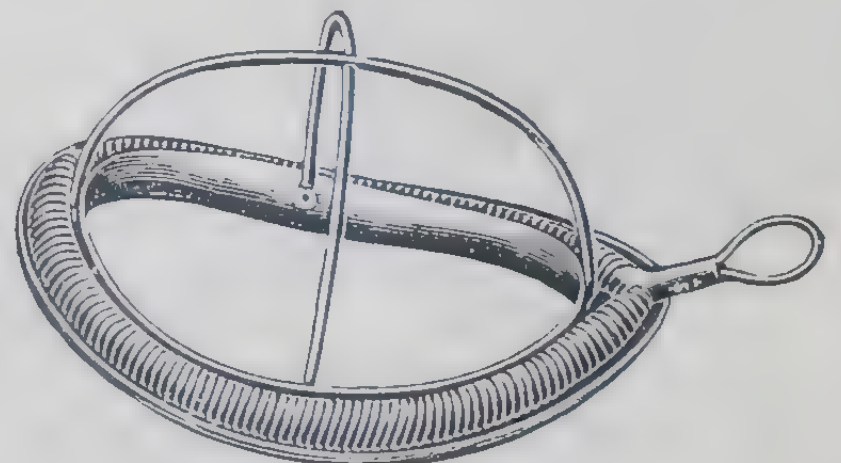
B-135



B-140



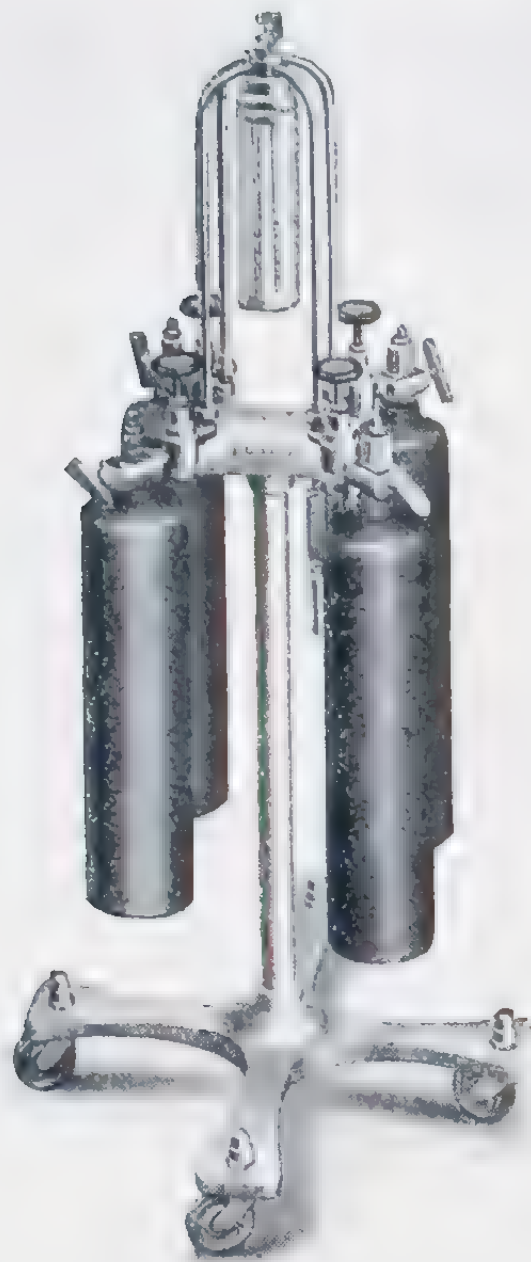
B-145



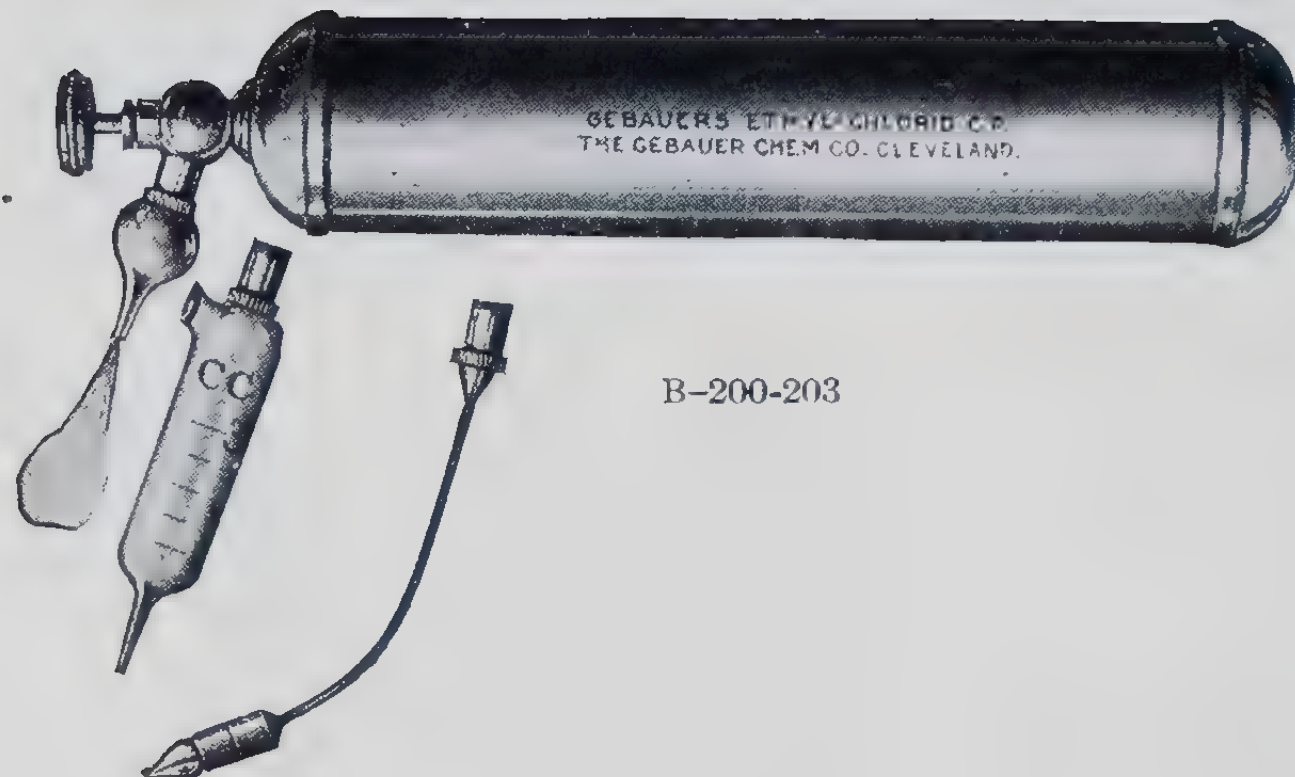
B-150

Inhalers, Chloroform and Ether

- B-120 Ochsner's Wire Mask.
- B-125 Ochsner's Folding Mask.
- B-130 Sander's Mask only.
- B-135 Schimmelbusch's Folding Mask.
- B-140 Yankauer's Mask only.
- B-145 Yankauer's Folding Mask.
- B-150 Yankauer's Simplex Folding Mask.

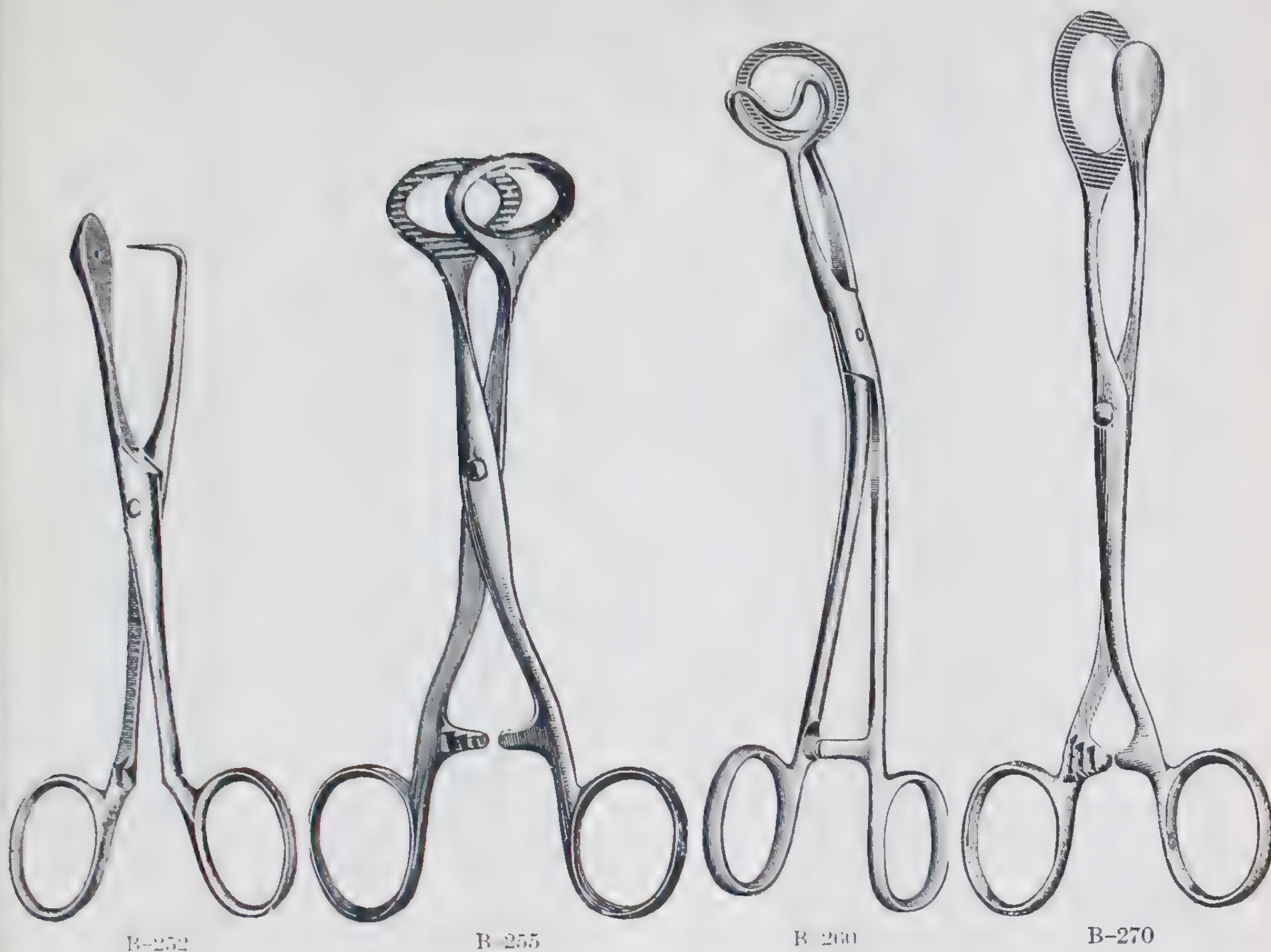


Complete Catalogues on Gas-Oxygen-Ether Anaesthesia Apparatus
will be sent on request



"Gebauer's" Ethyl Chloride

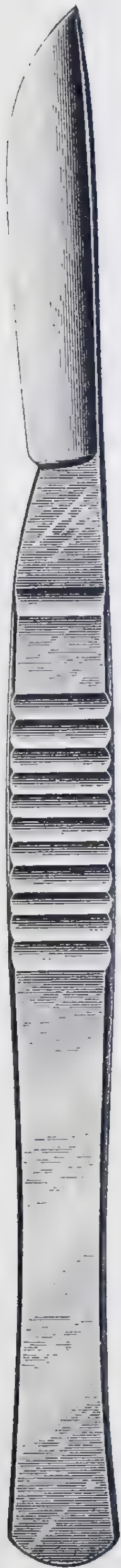
- B-200 **Gebauer's** Ethyl Chloride, 40 gm. tube with ordinary spraying nozzle.
- B-201 **Gebauer's** Ethyl Chloride, 100 cc. tube with ordinary spraying nozzle.
- B-202 **Gebauer's** Flexible Spraying Nozzle alone.
- B-203 **Gebauer's** Graduated Dropper.
- *B-204 **Gebauer's** Inhaler, for Ethyl Chloride by the drop method.



Tongue Forceps

- *B-250 **Berger's**, 5½ inches.
- B-252 **Carmalt's**, 5½ inches.
- B-255 **Collins'**, 6½ inches, 7¾ inches.
- B-260 **Haslam's**.
- *B-265 **Houze's**, 6¼ inches.
- B-270 **Mathieu's**, 7 inches.
- B-275 **Young's**, with soft rubber tips.

Operating Knives



B-310



B-315



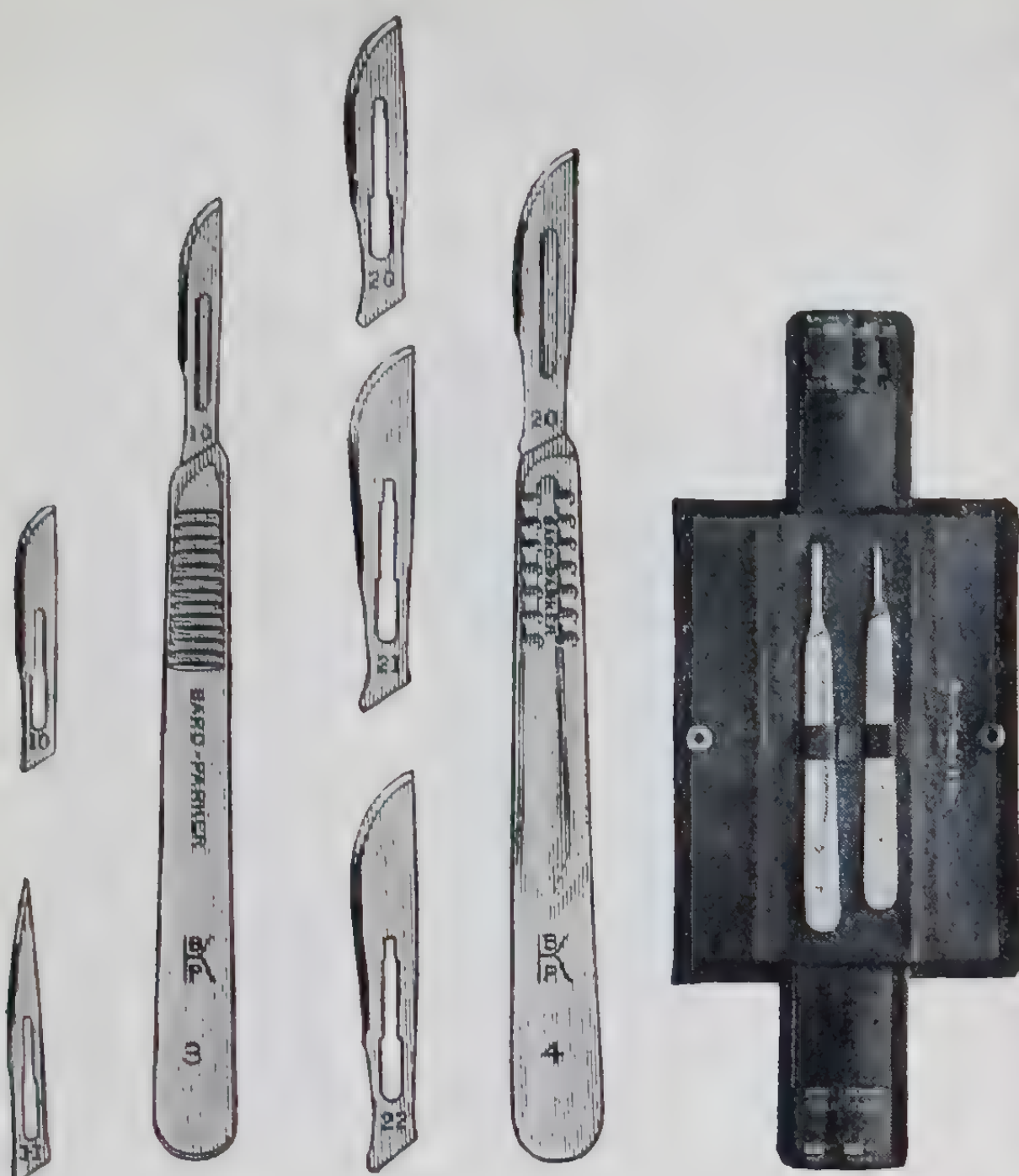
B-340



B-345



NOTE: For blade styles and numbers see ensuing pages.



B-300-302

B-305

Operating Knives

- B-300 **Bard-Parker** Knife, with removable blades, handle No. 3.
- B-301 **Bard-Parker** Knife, with removable blades, handle No. 4; blades Nos. 10 and 11 fit handle No. 3; blades Nos. 20, 21 and 22 fit handle No. 4.
- B-302 **Bard-Parker** Blades, in packages containing 6 of one size.
- B-305 **Bard-Parker** Knives, complete set in leather case containing 1 handle No. 3, 1 handle No. 4, 6 blades each, Nos. 10, 11, 20, 21 and 22.
- B-310 **English** pattern, furnished in all style blades.
- B-315 **Haslam's** pattern, furnished in all style blades.
- *B-320 **Jefferson** pattern, furnished in all style blades.
- B-325 **Littauer's** Scalpels, English blades, 1 inch, 1¼ inch, 1½ inch, 1¾ inch.
- B-330 **Littauer's** Scalpels, Weiss blades, 1 inch, 1¼ inch, 1½ inch, 1¾ inch.
- B-335 **Littauer's** Scalpels, in wood cases holding 3, 6 and 12 knives.
Littauer's knives are furnished also in straight and curved sharp bistouries and straight tenatomes.
- B-340 **Luer's** pattern, furnished in all style blades.
- B-345 **Swedish** pattern, furnished in all style blades.



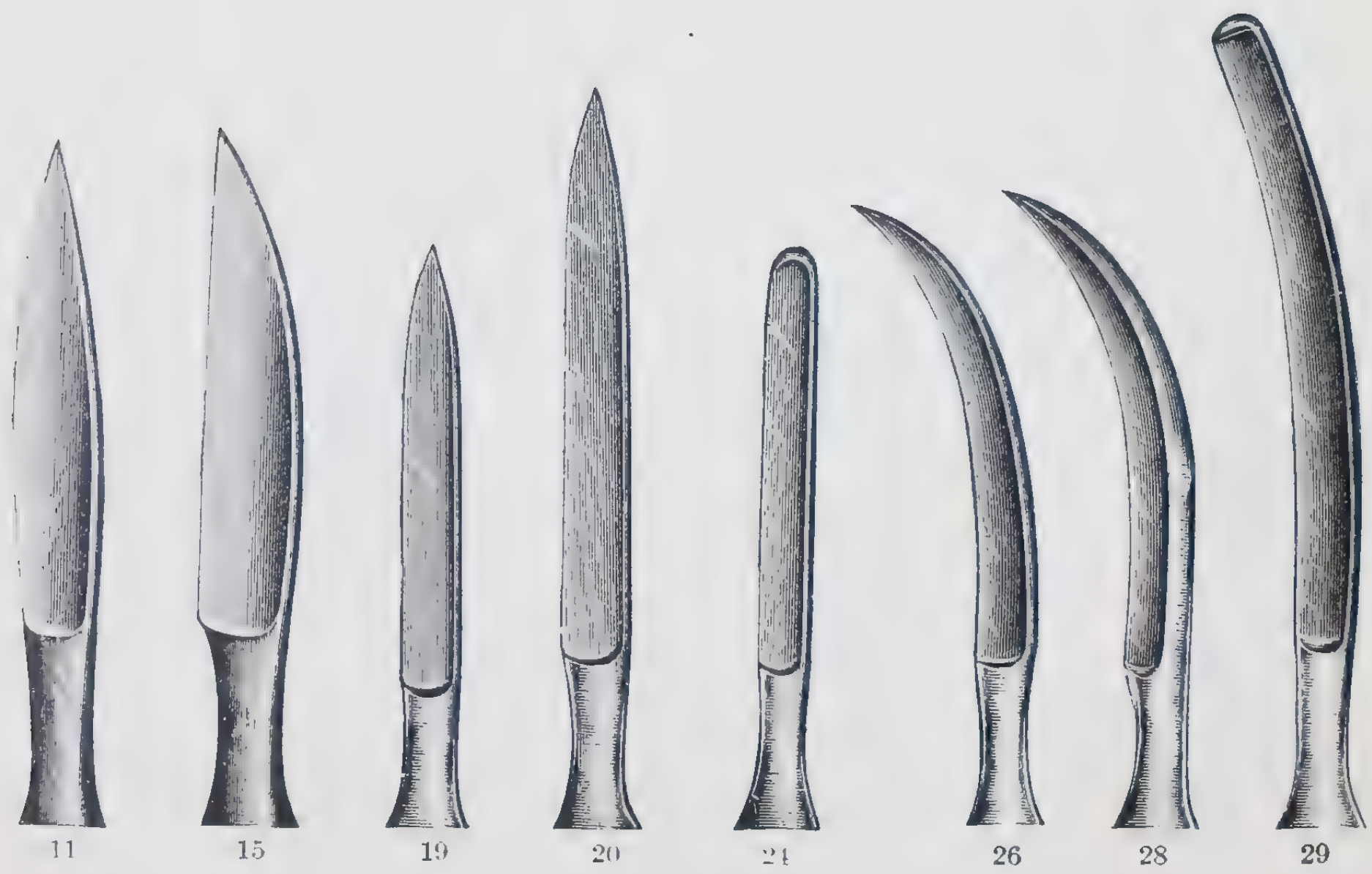
B-325



B-330

NOTE: For blade styles and numbers, see ensuing pages.

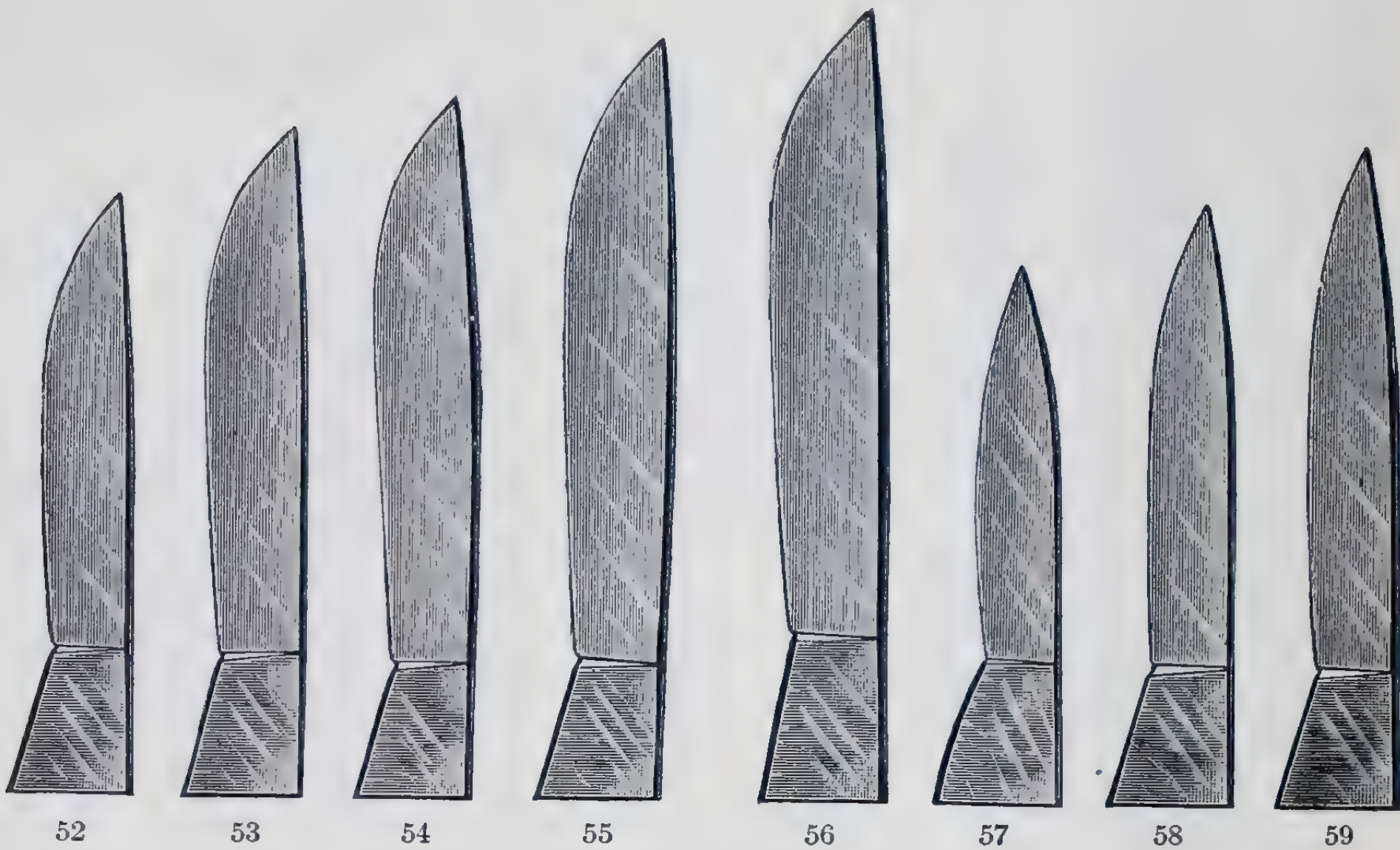
Operating Knife Blades

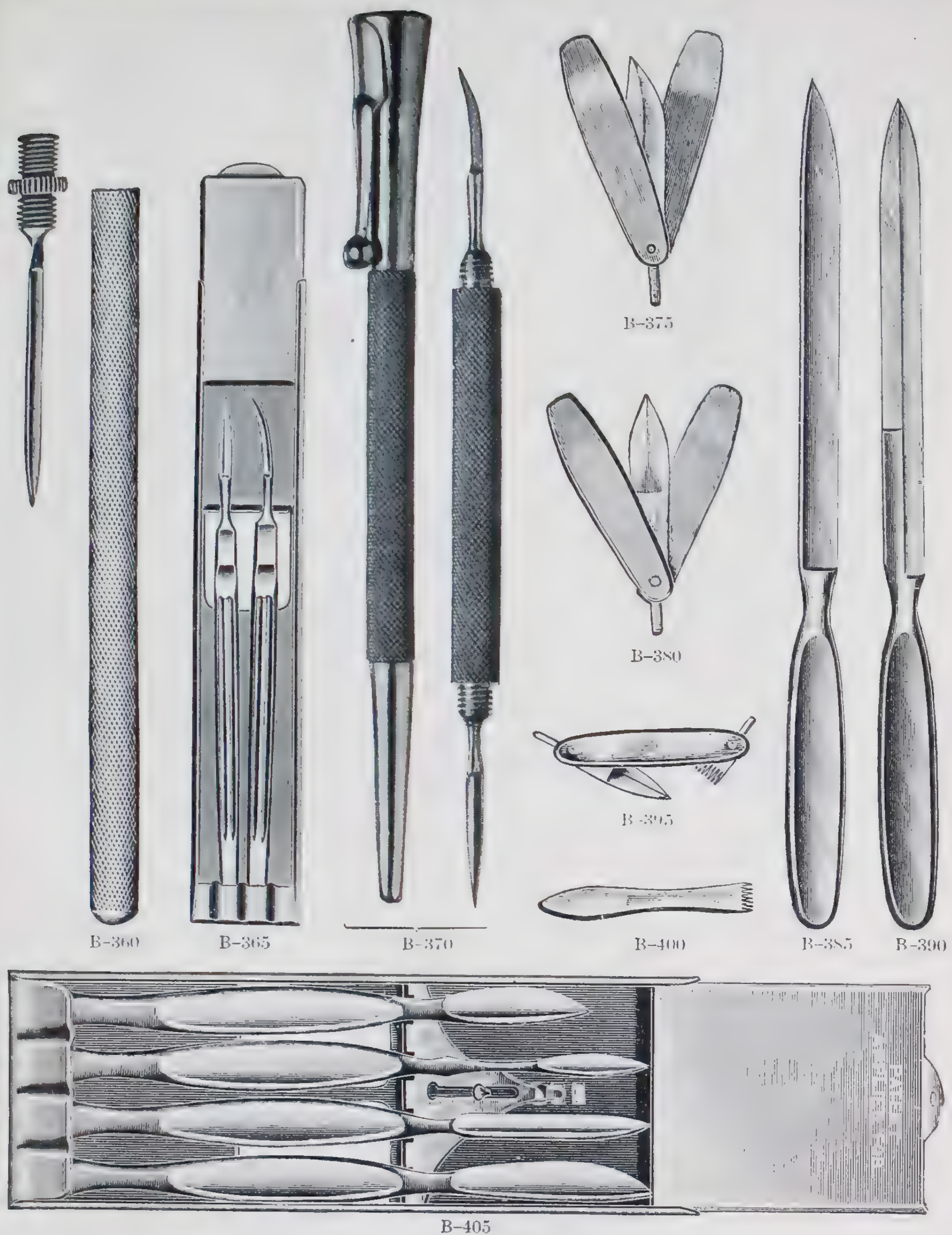


Operating Knife Blades



Operating Knife Blades



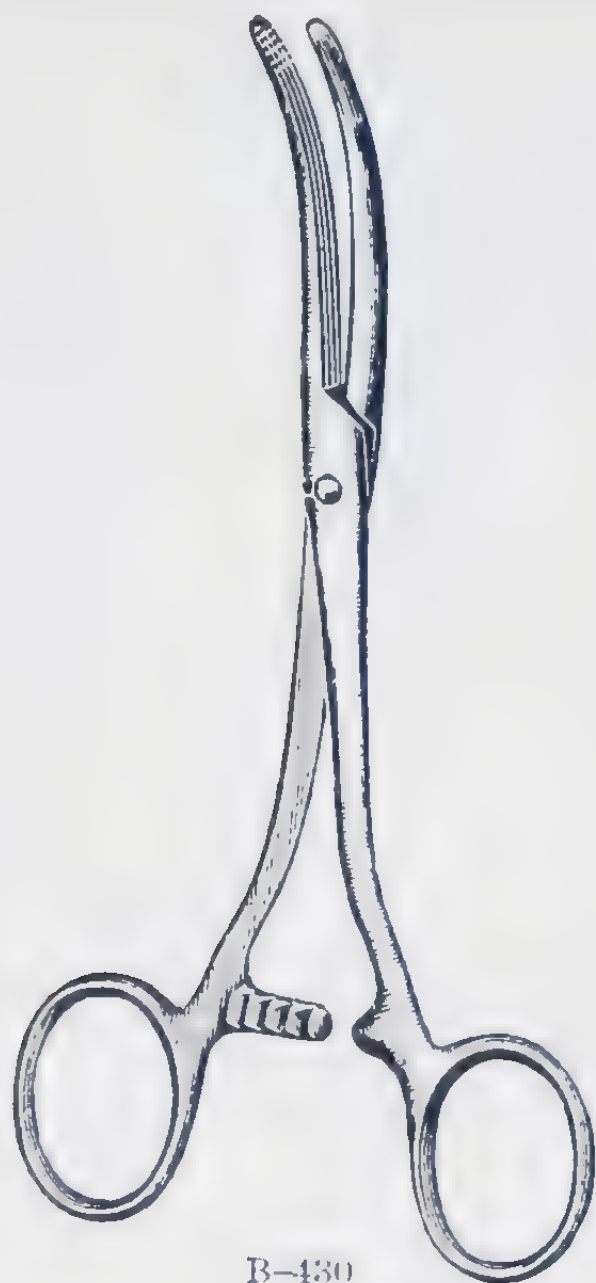


Abscess Knives, Amputating Knives and Lancets

- B-360 Abscess Knife, reversible, pencil case, single or double edge.
- B-365 Abscess Knife Set, 1 straight and 1 curved, in metal holder.
- B-370 Abscess Knife Set, **Vaughan's**, in pencil case, nickel or gold plated.
- B-375 Abscess Lancet, folding, metal handle.
- B-380 Abscess Lancet, folding, metal handle.
- B-385 Amputating Knives, short, medium and long.
- B-390 Amputating Knives, catlins, short, medium and long.
- B-395 Vaccinating Lancet and Comb, folding, metal handle.
- B-400 Vaccinating Comb or Scratcher.

Knife Holders, Metal

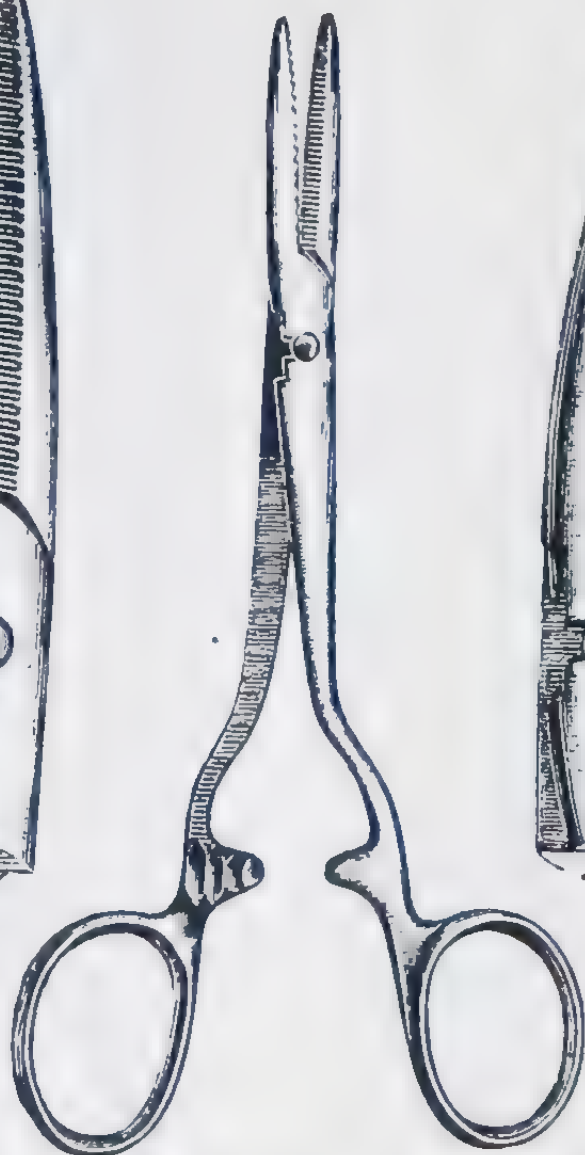
- B-405 Adjustable Knife Holder, sliding cover for 1, 2, 3, 4, 5 and 6 knives; the rack of this holder can be adjusted to fit almost any style of knife



B-430

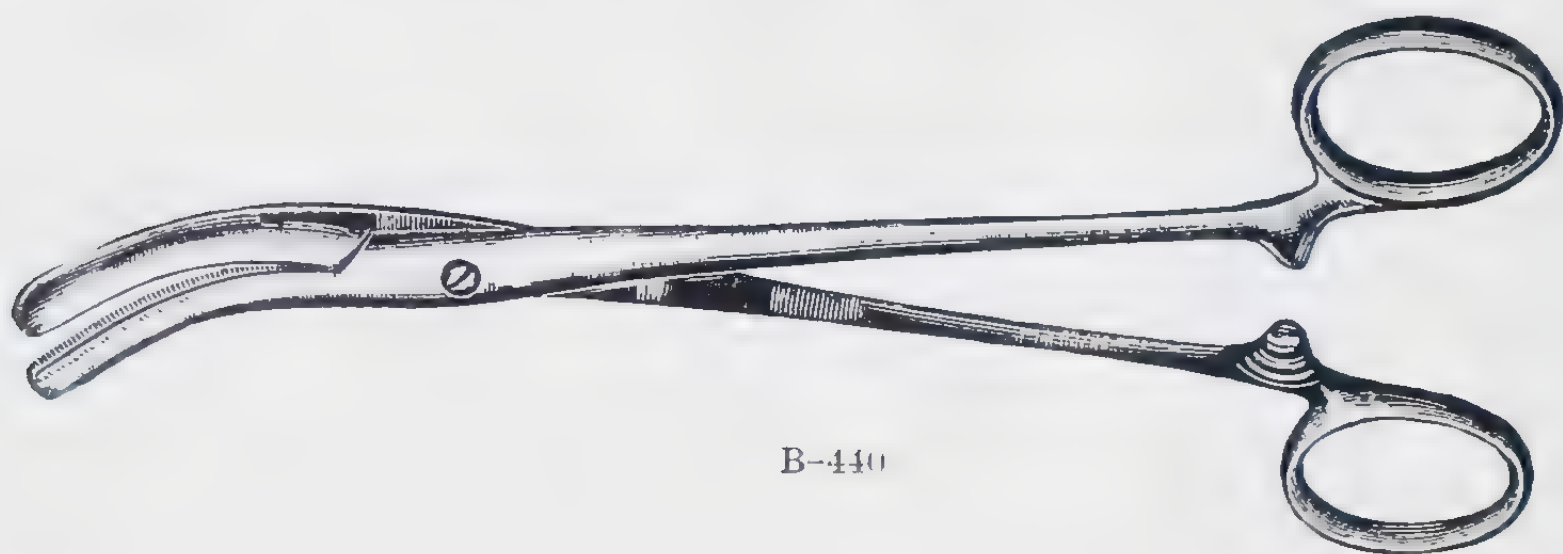


B-435

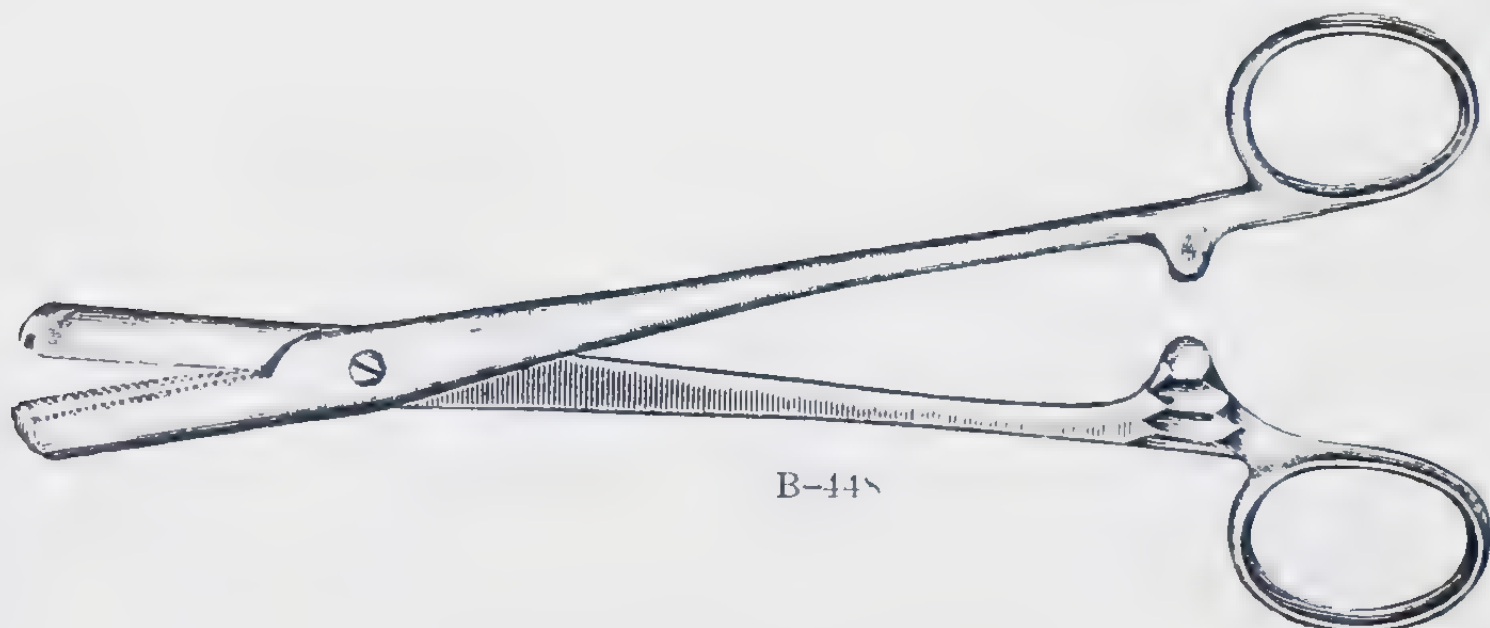


B-435

B-436



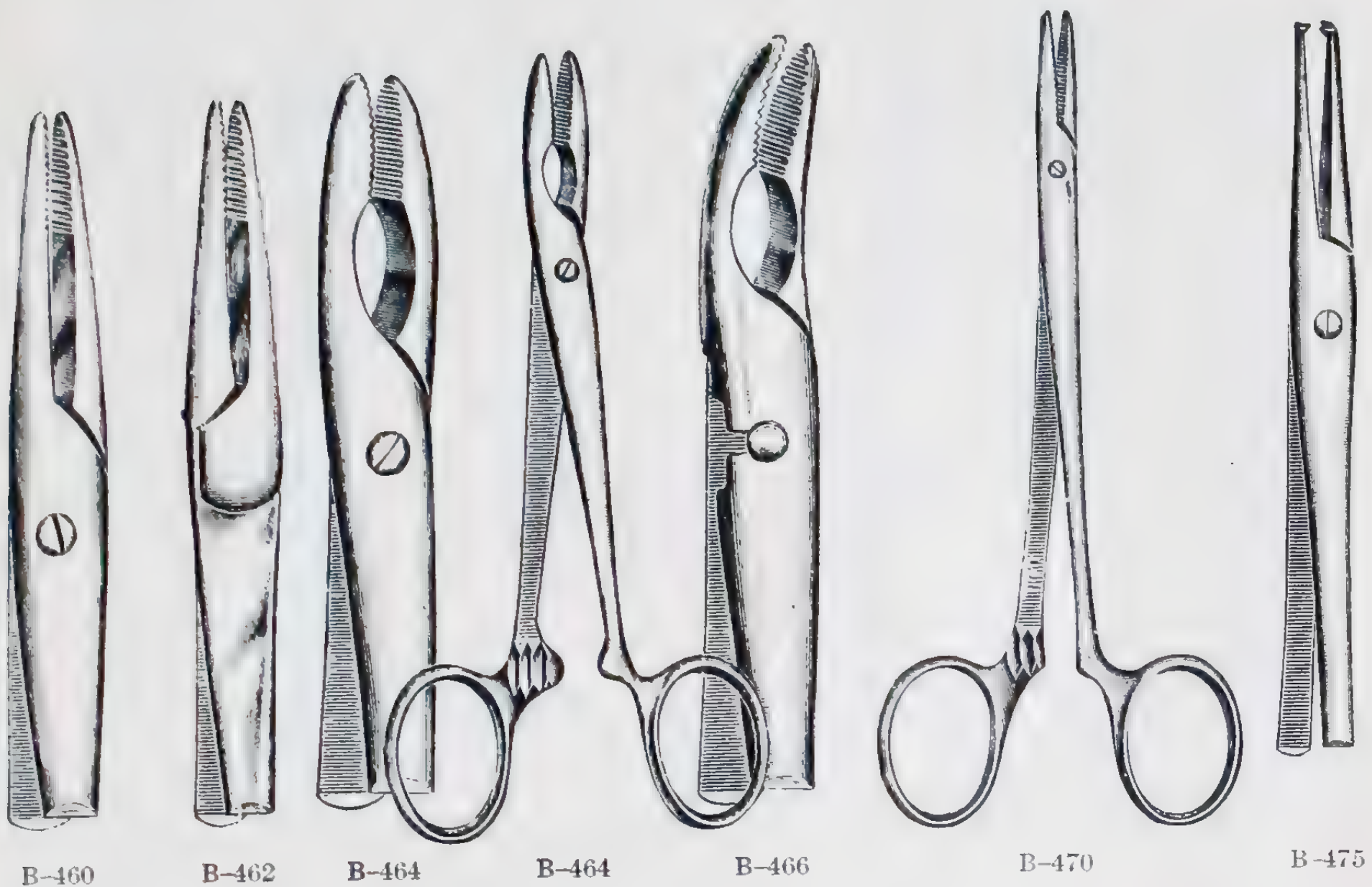
B-440



B-448

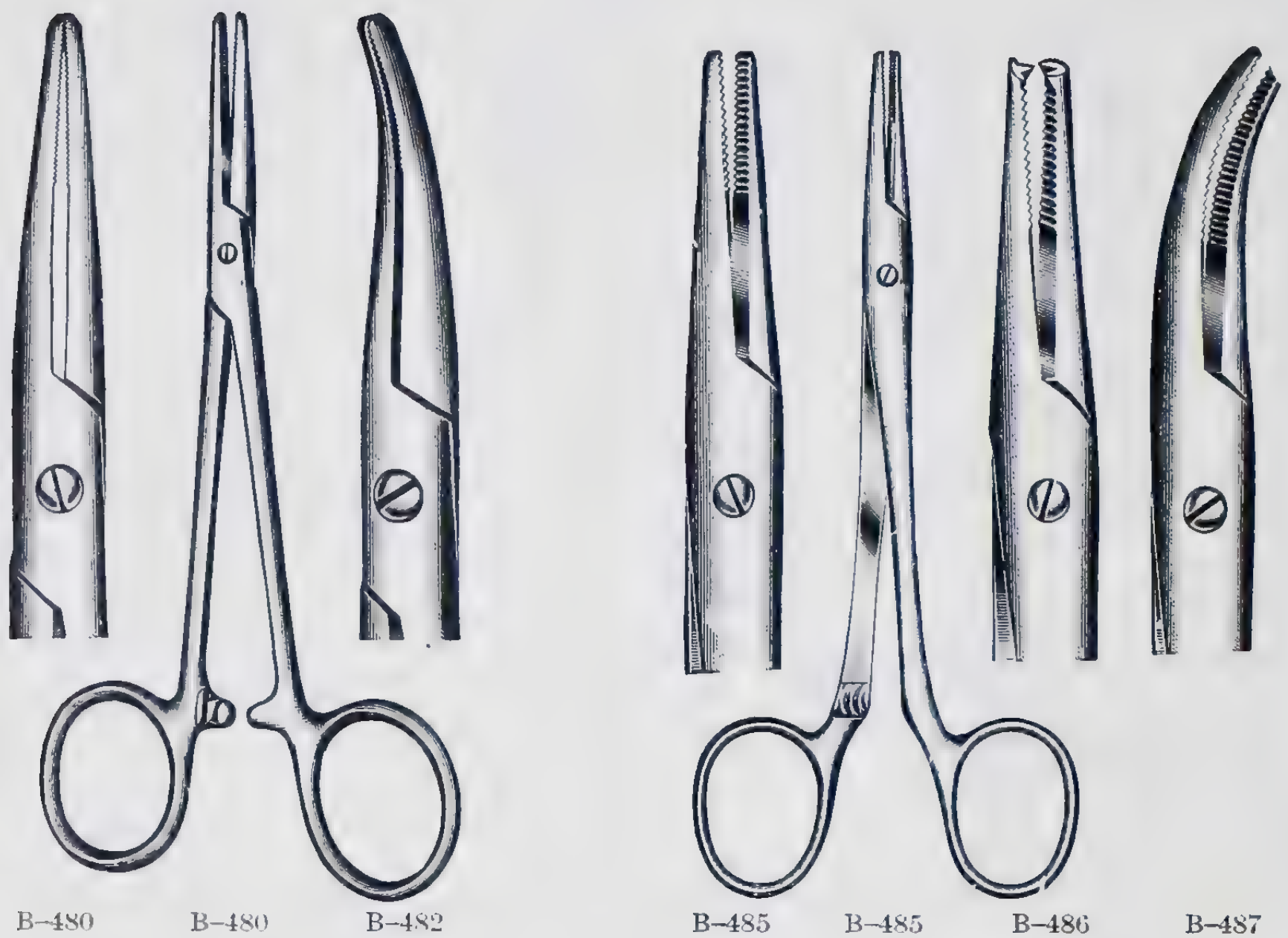
Haemostatic Forceps

- *B-425 **Barrett's**, $6\frac{1}{4}$ inches, mortise joint.
- B-430 **Carmalt's**, $6\frac{1}{4}$ inches, screw or aseptic joint, curved.
- *B-431 **Carmalt's**, $6\frac{1}{4}$ inches, screw or aseptic joint, straight.
- B-435 **Ethridge's**, straight, 5 inches, 6 inches, 7 inches, 8 inches.
- B-436 **Ethridge's**, curved, 5 inches, 6 inches, 7 inches, 8 inches.
- B-440 **Ferguson's**, curved, angiotriptic, $6\frac{1}{4}$ inches, $7\frac{1}{2}$ inches, screw joint.
- *B-445 **Ferguson's**, curved, angiotriptic, $6\frac{1}{4}$ inches, $7\frac{1}{2}$ inches, mortise joint.
- B-448 **Ferguson's**, straight, angiotriptic, $6\frac{1}{2}$ inches, $7\frac{3}{4}$ inches, screw joint.
- *B-450 **Ferguson's**, straight, angiotriptic, $6\frac{1}{2}$ inches, $7\frac{3}{4}$ inches, mortise joint.
- *B-455 **Ferguson's**, straight, $4\frac{3}{4}$ inches, $5\frac{1}{2}$ inches, $6\frac{1}{2}$ inches, $7\frac{1}{2}$ inches.



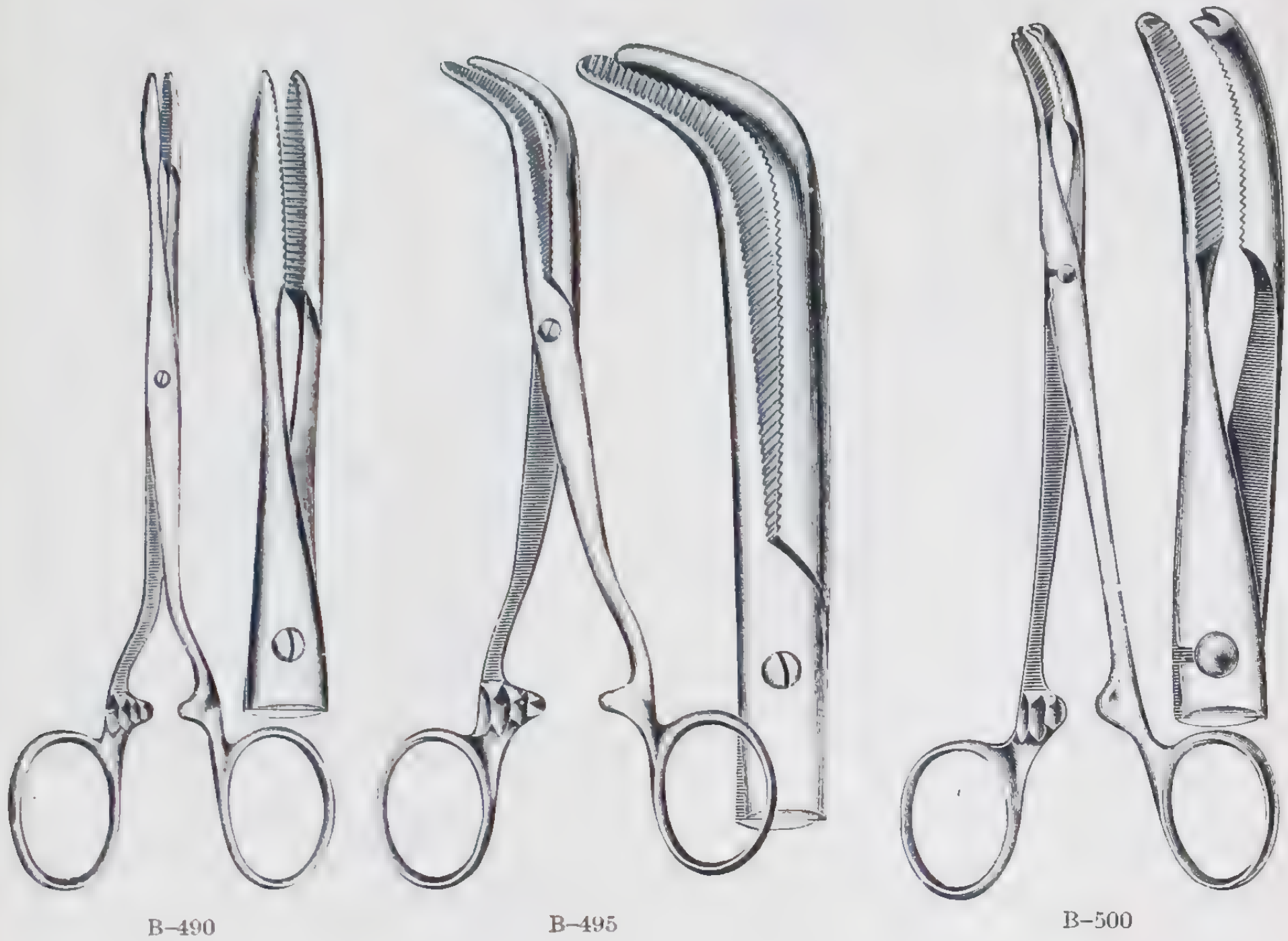
Haemostatic Forceps

- B-460 **Halstead's, Johns Hopkins' pattern, 5½ inches, screw joint.**
- B-462 **Halstead's, Johns Hopkins' pattern, 5½ inches, Collin's joint.**
- B-464 **Halstead's, straight, 5½ inches, aseptic or screw joint.**
- B-466 **Halstead's, curved, 5½ inches, aseptic or screw joint.**
- B-470 **Halstead's, mosquito, straight, screw joint.**
- *B-471 **Halstead's, mosquito, curved, screw joint.**
- B-475 **Halstead-Kelly's, straight, mosquito, 4¾ inches, mouse tooth, screw joint.**



Haemostatic Forceps

- B-480 **Kelly's**, straight, 5½ inches, fine pointed, round shanks, screw joint.
- *B-481 **Kelly's**, straight, 5½ inches, fine pointed, round shank, mortise joint.
- B-482 **Kelly's**, curved, 5½ inches, fine pointed, round shanks.
- *B-483 **Kelly's**, curved, 5½ inches, fine pointed, round shanks, mortise joint.
- B-485 **Kelly's**, straight, 5½ inches, fine pointed, flat shanks.
- B-486 **Kelly's**, straight, 5½ inches, mouse tooth, flat shanks.
- B-487 **Kelly's**, curved, 5½ inches, fine pointed, flat shanks.

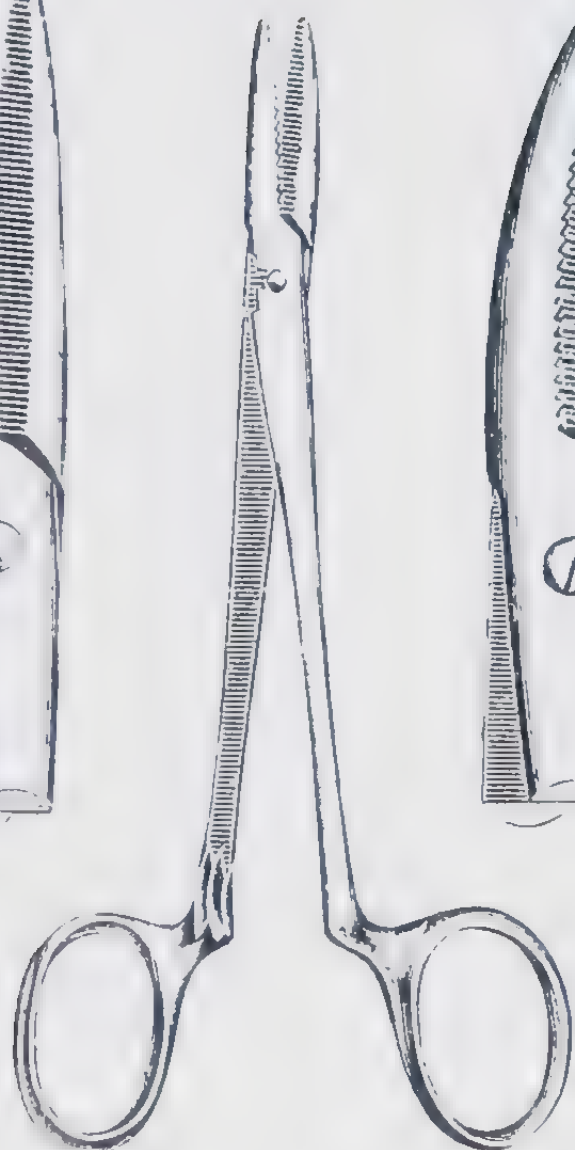


Haemostatic Forceps

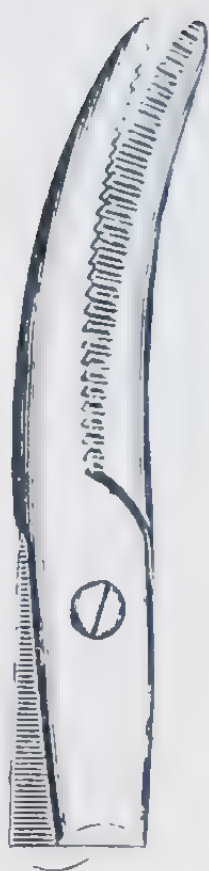
- B-490 **Murphy-Pean's**, straight, $6\frac{1}{2}$ inches, very light.
- B-495 **Mixter's**, curved, 6 inches.
- B-500 **Mickulicz's**, curved, $6\frac{3}{4}$ inches.



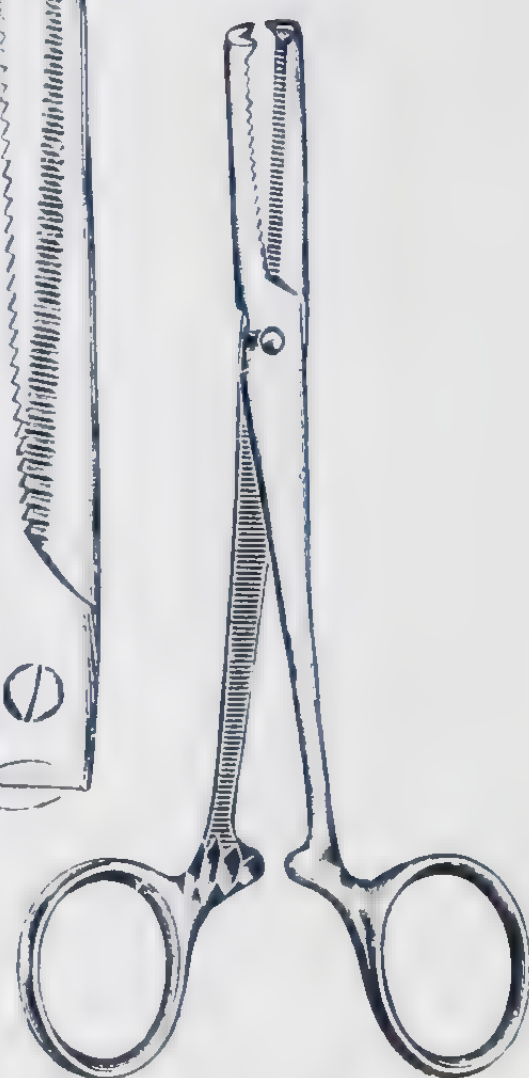
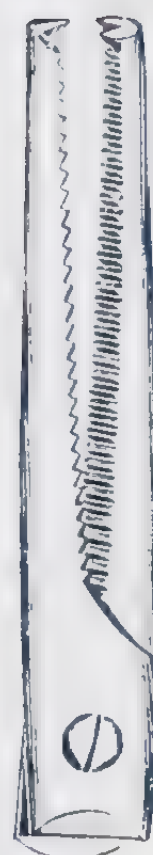
B-505



B-505



B-506



B-508

Haemostatic Forceps

B-505 **Jones'**, straight, 5 inches, screw joint.

B-506 **Jones'**, curved, 5 inches, screw joint.

B-508 **Kocher's**, straight, 4½, 5, 5½ and 6 inches, screw joint.

*B-510 **Kocher's**, straight, 5½ inches, mortise joint.



B-515



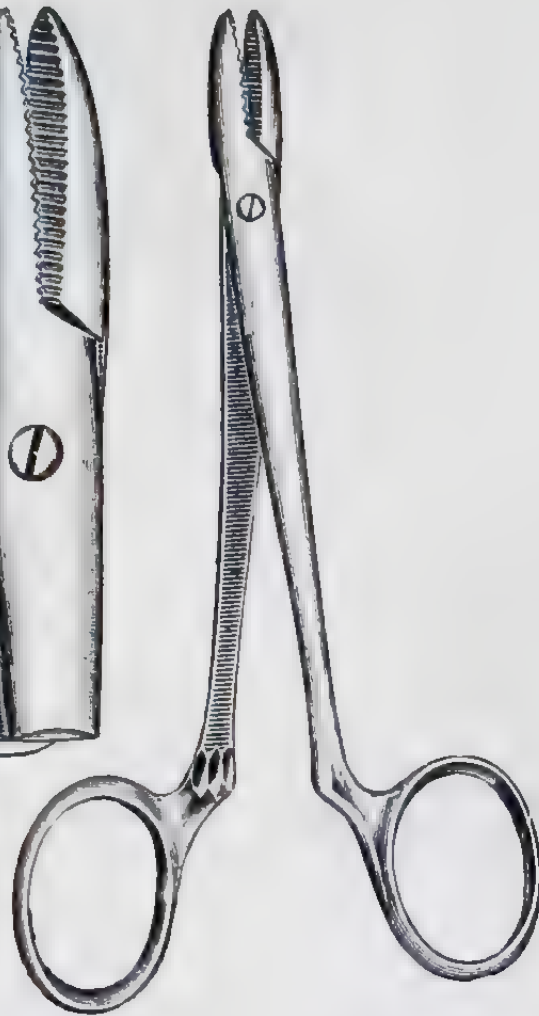
B-516



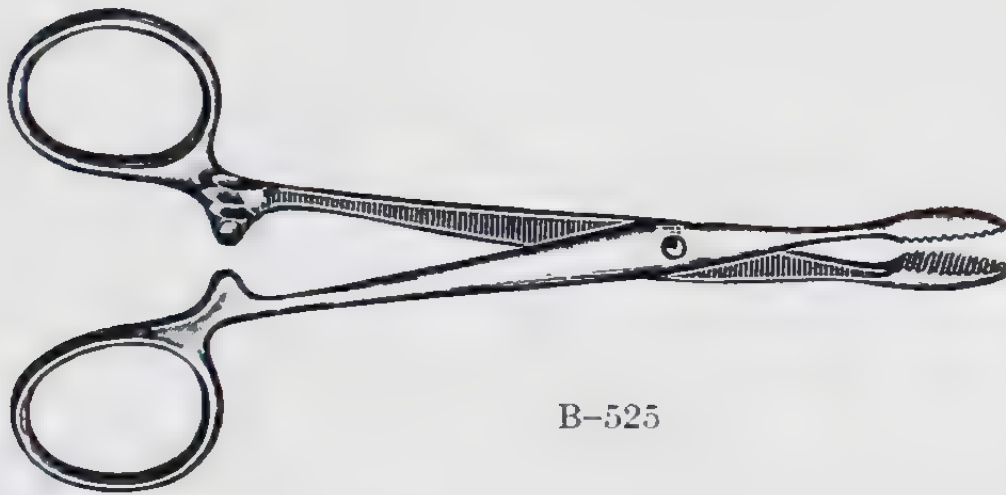
B-518



B-520



B-520



B-525

Haemostatic Forceps

B-515 **Providence Hospital**, straight, $5\frac{1}{2}$ inches, mortise joint.

B-516 **Providence Hospital**, straight, $5\frac{1}{2}$ inches, screw joint.

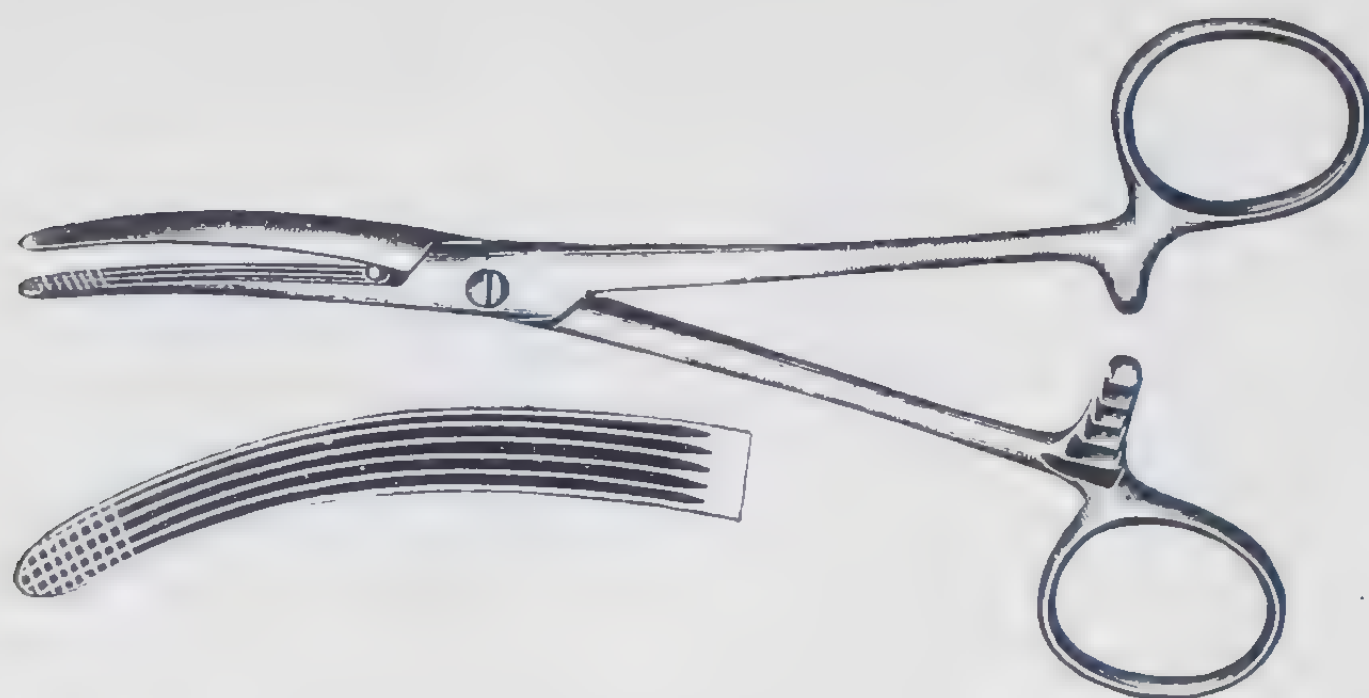
*B-517 **Providence Hospital**, curved, $5\frac{1}{2}$ inches, mortise joint.

B-518 **Providence Hospital**, curved, $5\frac{1}{2}$ inches, screw joint.

B-520 **Tait's**, straight, $4\frac{3}{4}$ inches, screw joint.

*B-521 **Tait's**, curved, $4\frac{3}{4}$ inches, screw joint.

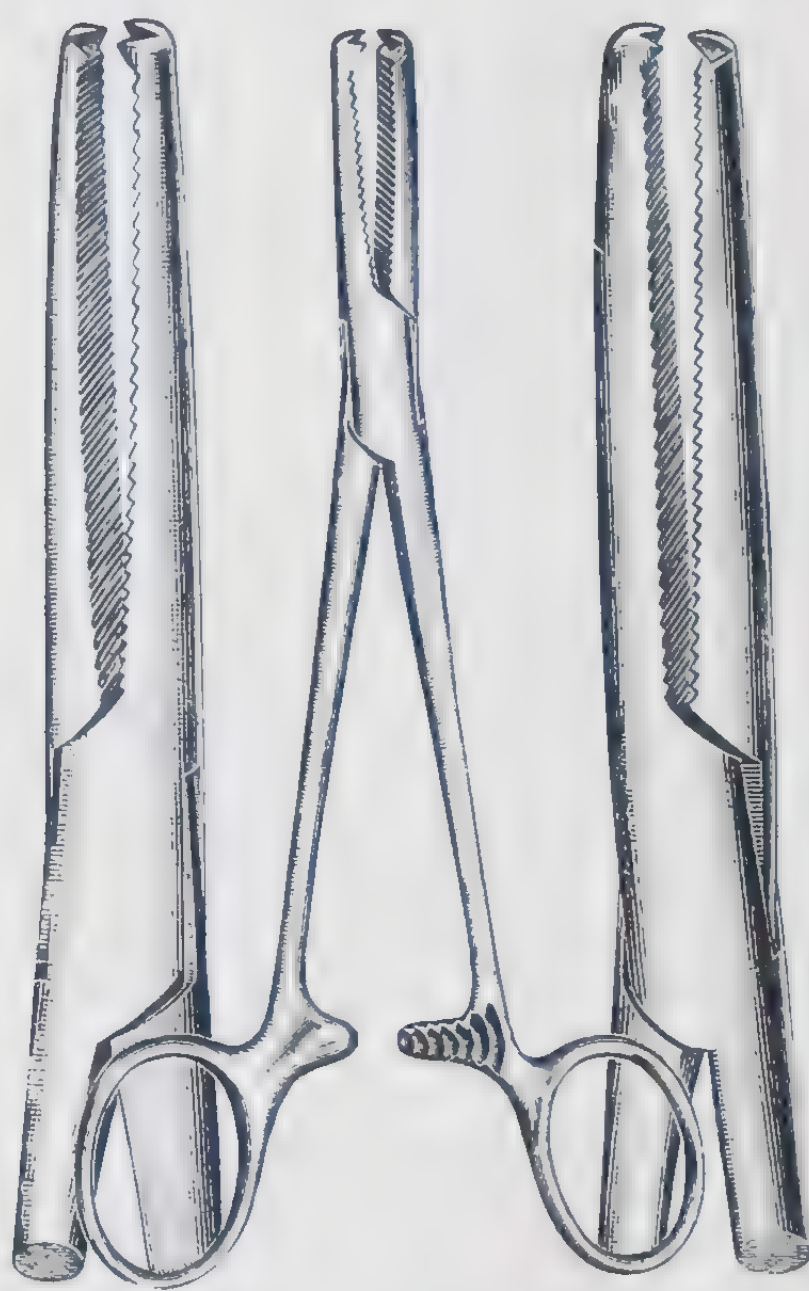
B-525 **Pean's**, straight, aseptic or screw joint, $4\frac{1}{2}$ inches, 5 inches, $5\frac{1}{2}$ inches.



B-530



B-535-537



B-536

B-538

Haemostatic Forceps

- B-530 Rochester-Carmalt's, curved, $6\frac{1}{4}$ inches, screw joint.
- *B-531 Rochester-Carmalt's, curved, $6\frac{1}{4}$ inches, mortise joint.
- *B-532 Rochester-Carmalt's, curved, $6\frac{1}{4}$ inches, mouse tooth, screw joint.
- *B-533 Rochester-Carmalt's, curved, $6\frac{1}{4}$ inches, mouse tooth, mortise joint.
- B-535 Rochester-Ochsner, straight, $6\frac{1}{4}$ inches, mouse tooth, screw joint.
- B-536 Rochester-Ochsner, straight, $6\frac{1}{4}$ inches, mortise joint.
- B-537 Rochester-Ochsner, straight, $7\frac{1}{4}$ inches, mouse tooth, screw joint.
- B-538 Rochester-Ochsner, straight, $7\frac{1}{4}$ inches, mortise joint.



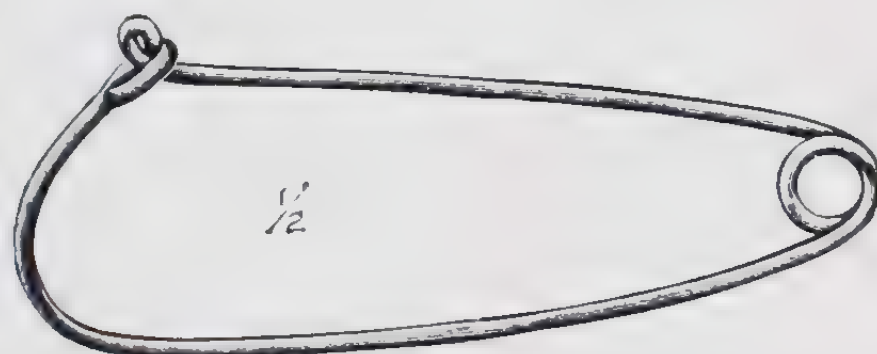
B-540

B-542

B-544



B-570



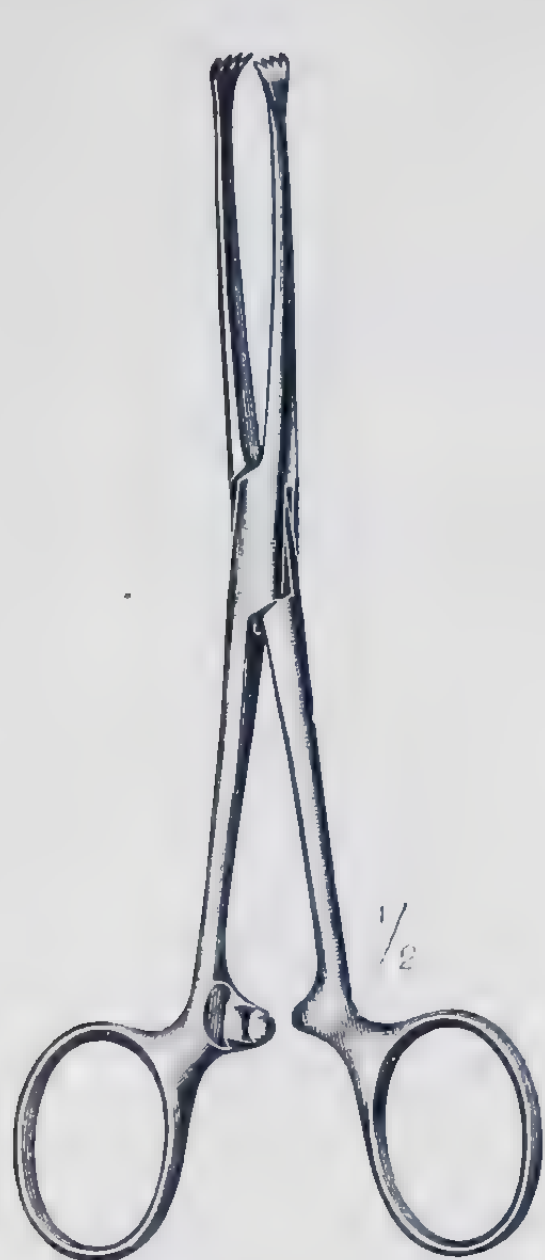
B-571

Haemostatic Forceps

- B-540 **Rochester-Pean's**, straight, $6\frac{1}{4}$ inches, screw joint.
- B-542 **Rochester-Pean's**, curved, $6\frac{1}{4}$ inches, screw joint.
- *B-543 **Rochester-Pean's**, curved, $6\frac{1}{4}$ inches, mortise joint.
- B-544 **Pean's (Kelly-Pean's)**, curved, $6\frac{1}{4}$ inches, long jaw.
- *B-545 **Pean's**, straight, $6\frac{1}{4}$ inches, long jaw.

Forceps Rings or Holders

- B-570 **Bunt's** Forceps Ring or Holder, improved.
- B-571 **Bunt's** Forceps Ring or Holder, original.



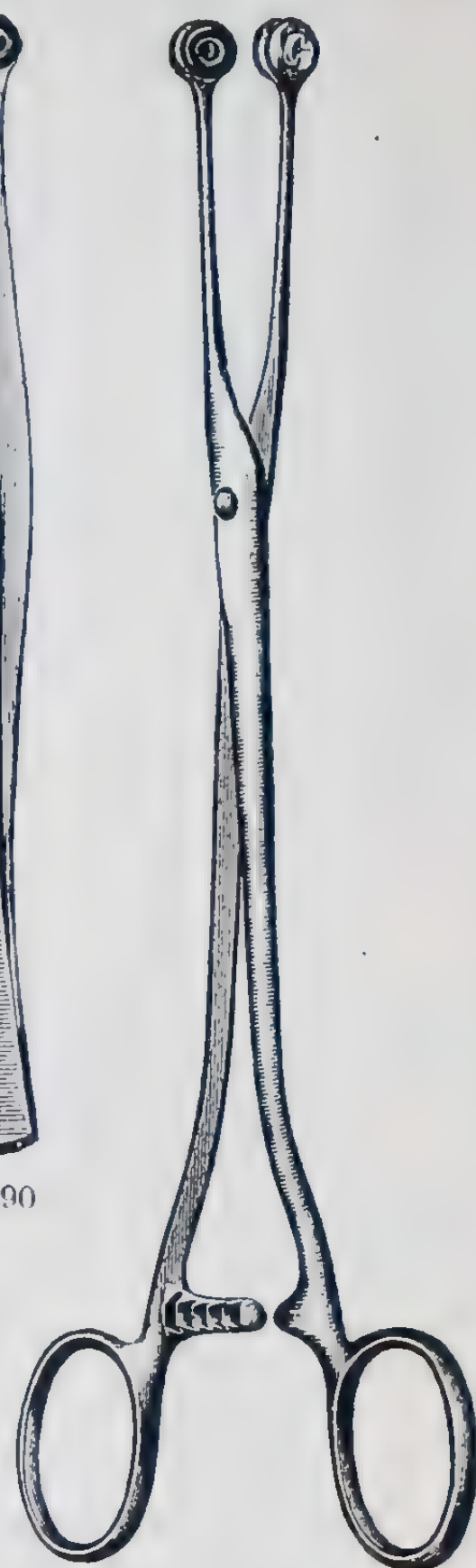
B-582



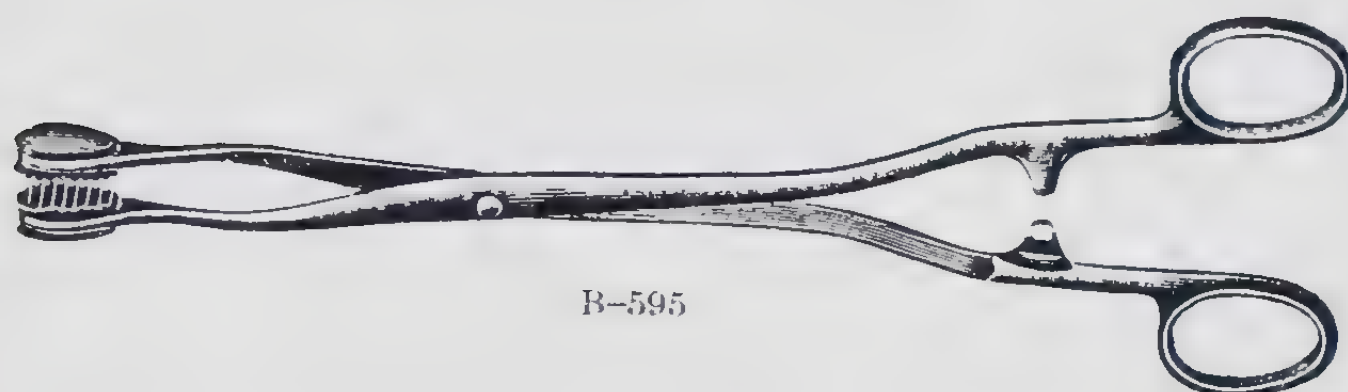
B-584



B-590



B-587-588



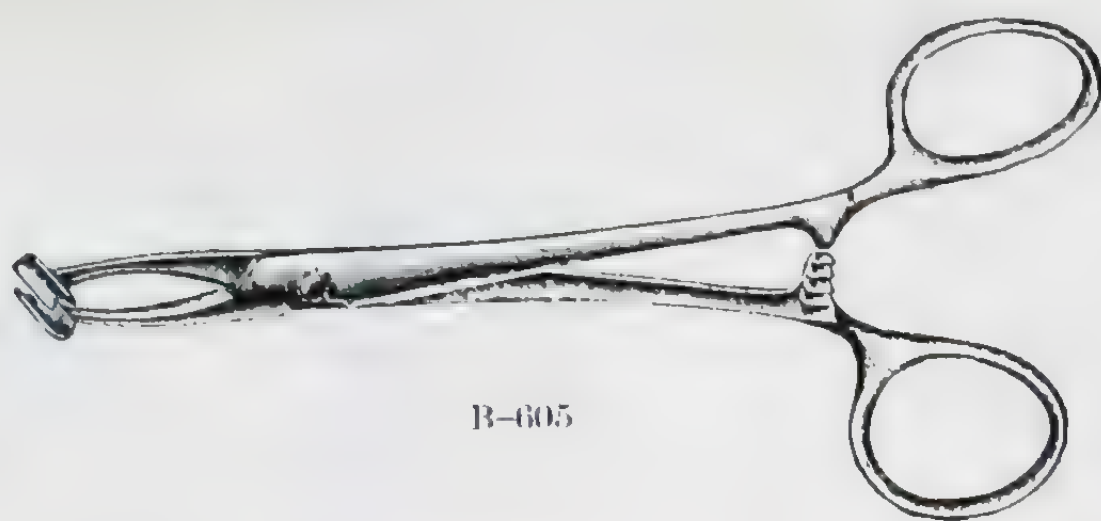
B-595



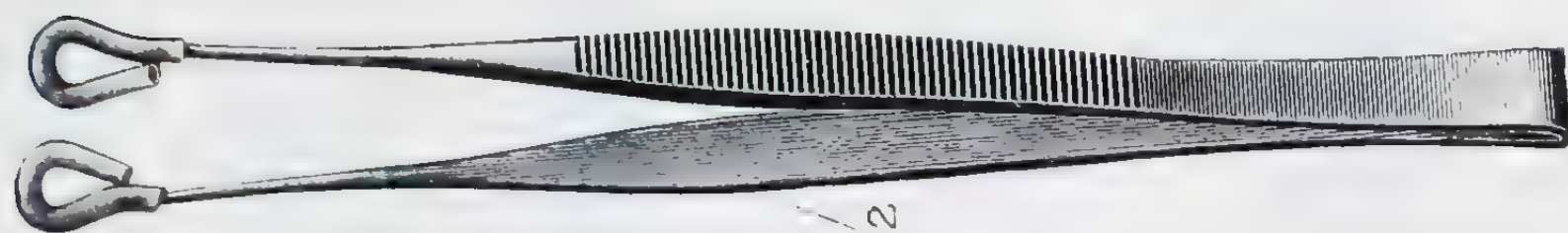
B-600

Intestinal and Marginal Tissue Forceps

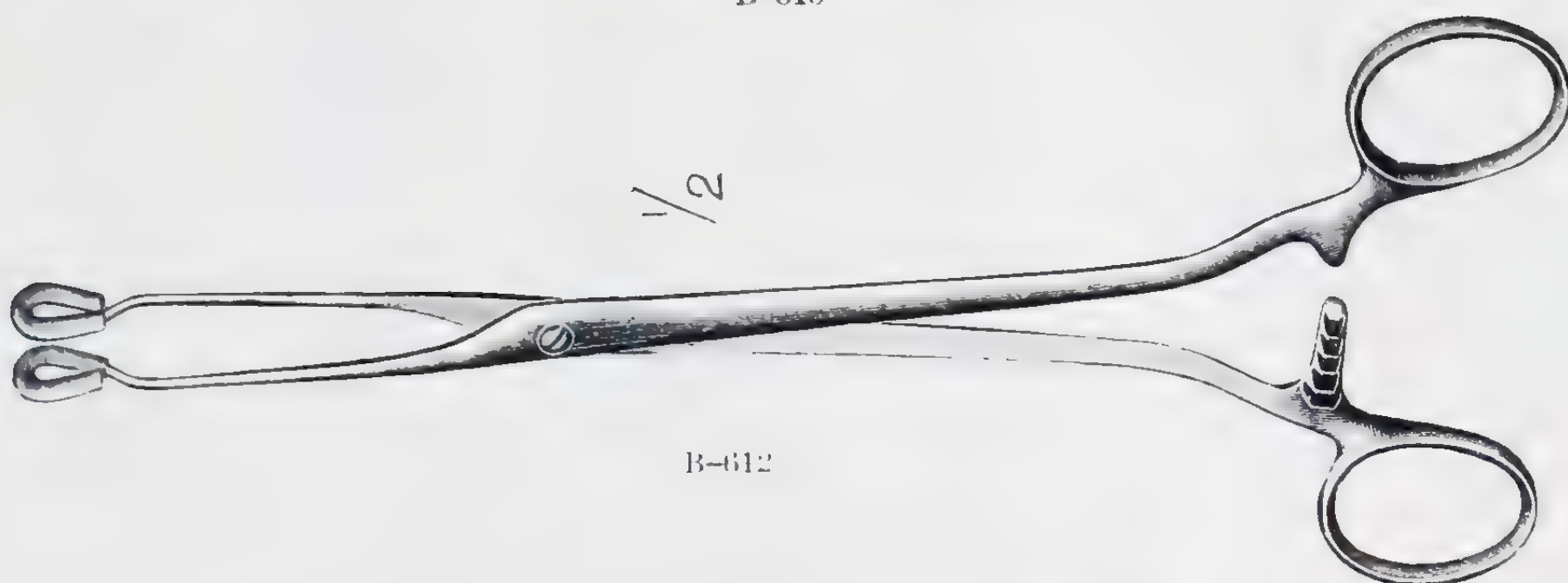
- *B-580 Allis', end teeth, screw joint.
- B-582 Allis', end teeth, mortise joint.
- B-584 Bainbridge's, curved, mortise joint.
- *B-585 Bainbridge's, straight, mortise joint.
- B-587 Barrett's, 6 $\frac{1}{4}$ inches, rubber jaws.
- B-588 Barrett's, 8 $\frac{1}{4}$ inches, rubber jaws.
- B-590 Barrett-Murphy's, 6 inches, spring, rubber jaws.
- B-595 Child's, 9 $\frac{3}{4}$ inches, rubber jaws.
- B-600 Jackson's, with heavy screw joint.



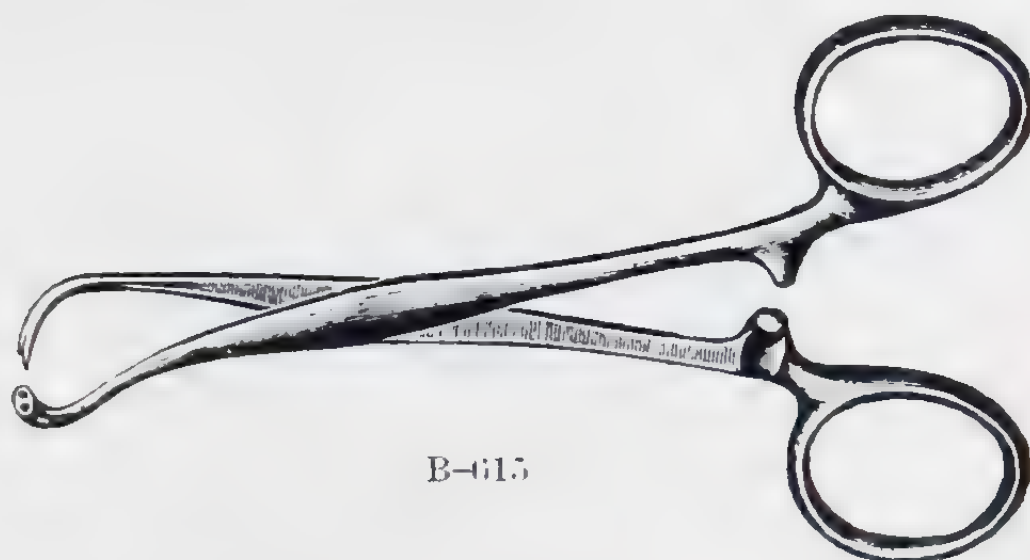
B-605



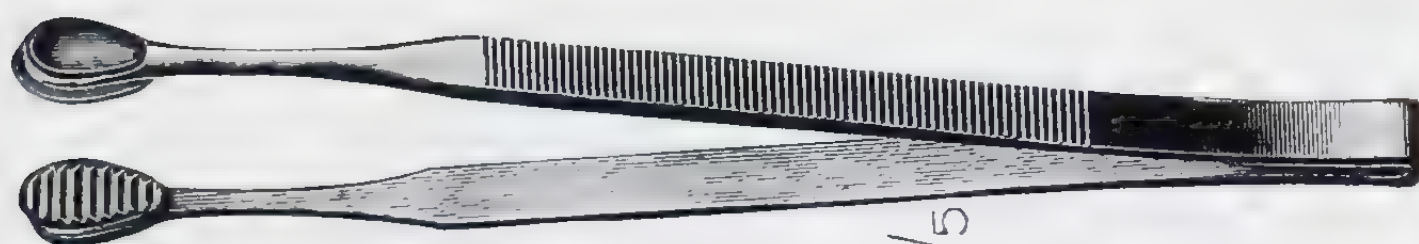
B-610



B-612



B-615



B-620

Intestinal and Marginal Tissue Forceps

- B-605 Pratt-Smith's T-shape.
- B-610 Schoenberg's, $7\frac{3}{4}$ inches, spring.
- B-612 Schoenberg's, $8\frac{3}{4}$ inches, ring handles.
- B-615 Smith's Marginal Tenaculum Forceps.
- B-620 Young's, 7 inches, rubber jaws, spring.



B-630



B-640



B-645



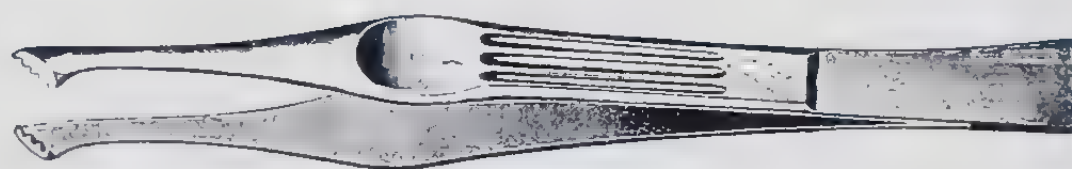
B-665-670



B-675



B-680



B-685



B-690

Dressing and Tissue Forceps

- B-630 Dressing Forceps, 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 7 inches, 8 inches, 9 inches, 10 inches, 11 inches, 12 inches.
- B-640 Dressing Forceps, **Kelly's**, 5 inches.
- B-645 Tissue Forceps, 1 and 2 teeth, 4½ inches, 5 inches, 5½ inches, 6 inches.
- *B-650 Tissue Forceps, 2 and 3 teeth, 4½ inches, 5 inches, 5½ inches, 6 inches.
- *B-655 Tissue Forceps, 3 and 4 teeth, 4½ inches, 5 inches, 5½ inches, 6 inches.
- *B-660 Tissue Forceps, 4 and 5 teeth, 4½ inches, 5 inches, 5½ inches, 6 inches.
- B-665 Tissue Forceps, **Bonney's**, heavy, one and two teeth.
- B-670 Tissue Forceps, **Bonney's**, heavy, two and three teeth.
- B-675 Tissue Forceps, **Kelly's**, 5 inches, 1 and 2 teeth, 2 and 3 teeth, 3 and 4 teeth.
- B-680 Tissue Forceps, **English** pattern, extra heavy, 7 inches.
- B-685 Tissue Forceps, **Farka's**, 4 and 5 teeth, 5 inches.
- B-690 Tissue Forceps, **Mayo's**, 8 and 9 teeth, 3½ inches.



B-695



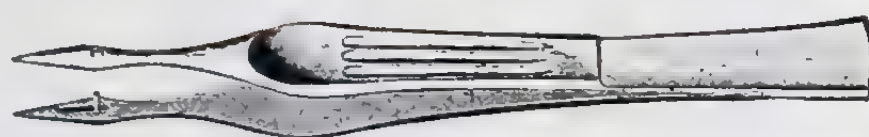
B-703



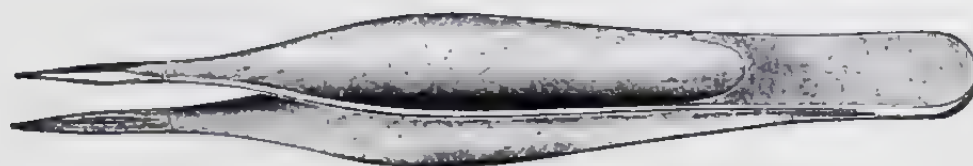
B-705



B-735



B-720



B-725



B-740

Dressing and Tissue Forceps

- | | | | |
|--------|--|--------|--|
| B-695 | Tissue Forceps, London pattern. | B-703 | Tissue Forceps, Roubaix's , angular, 5 inches, for suture work. |
| *B-700 | Tissue Forceps, Otto's , 5¼ inches, 4 and 5 teeth. | B-705 | Tissue Forceps, Russian , 6 inches. |
| *B-701 | Tissue Forceps, Roubaix's , straight, 5 inches, for suture work | *B-710 | Tissue Forceps, Stille's , 4 and 5 teeth, 5 inches. |

Splinter Forceps

- | | | | |
|--------|--|--------|--|
| B-720 | Carmalt's , straight, 4½ inches. | *B-730 | Little's , 4 inches. |
| *B-721 | Carmalt's , curved, 4½ inches. | B-735 | Physicians' Ring Handle. |
| B-725 | Feilchenfeld's , 3 inches, 4½ inches. | B-740 | Plain, 2½ inches, 3 inches, 3½ inches, 4 inches. |



B-750-756

B-758

B-760

B-765



B-770

Towel Forceps

B-750 **Backhaus'**, short, 3 inches.

B-755 **Backhaus'**, long, 5¼ inches, screw lock.

B-756 **Backhaus'**, long, 5¼ inches, with mortise joint.

B-758 **Doyen's**, self-retaining, with ring.

B-760 **Jones.'**

B-765 **Lane's.**

*B-767 **Moynihans**, single prong.

B-770 **Moynihans**, double prong.



B-778-779



B-780-781



B-785

Sterilizer Forceps

B-778 Van der Poel's, long.

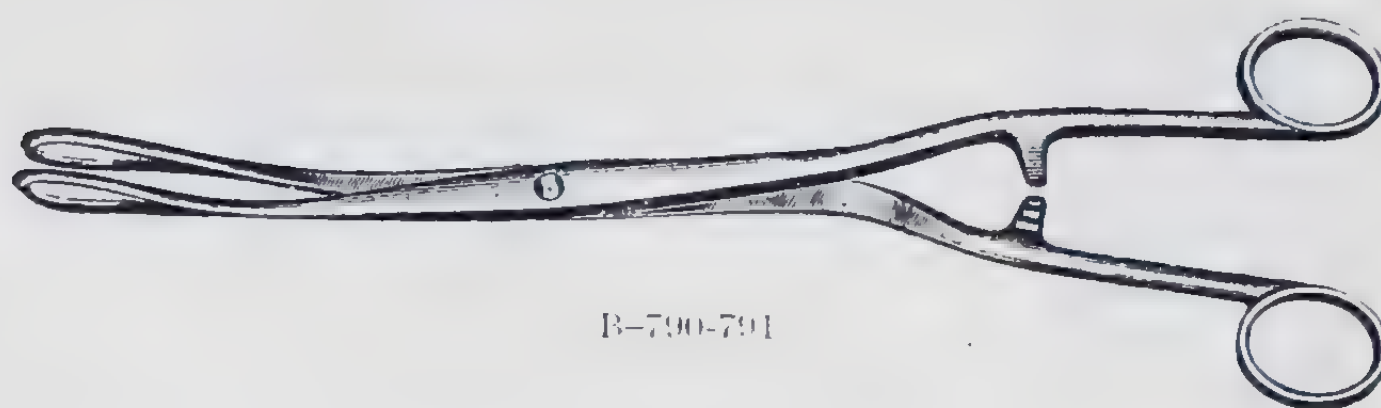
B-779 Van der Poel's, short.

B-780 Three Prong, 8 inches.

B-781 Three Prong, 12 inches.

Iodine Sponge Forceps

B-785 Loth's, plain, aluminum jaws.



B-790-791



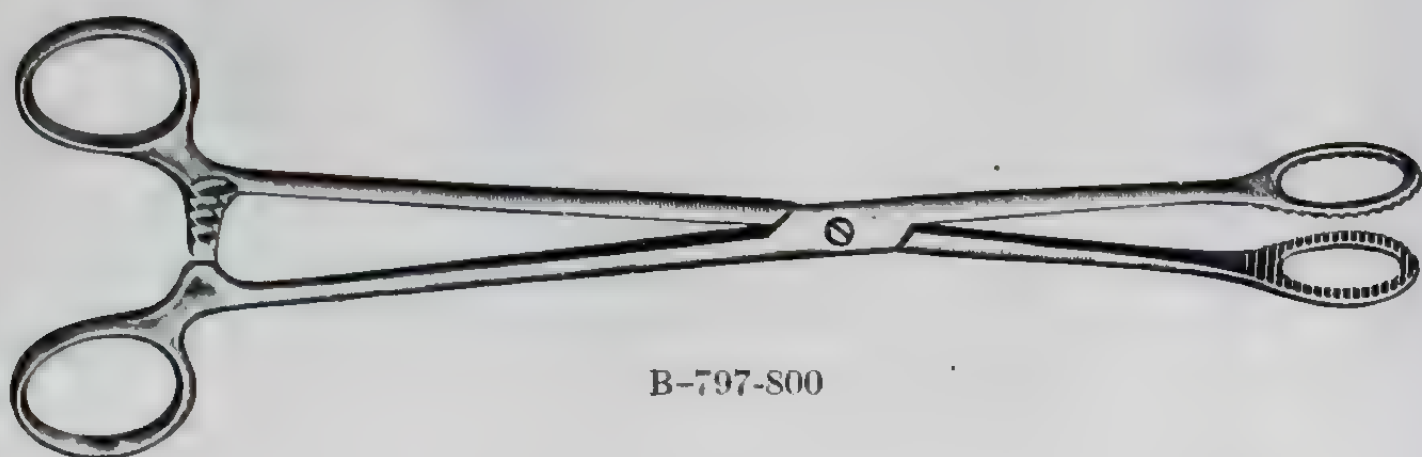
B-793



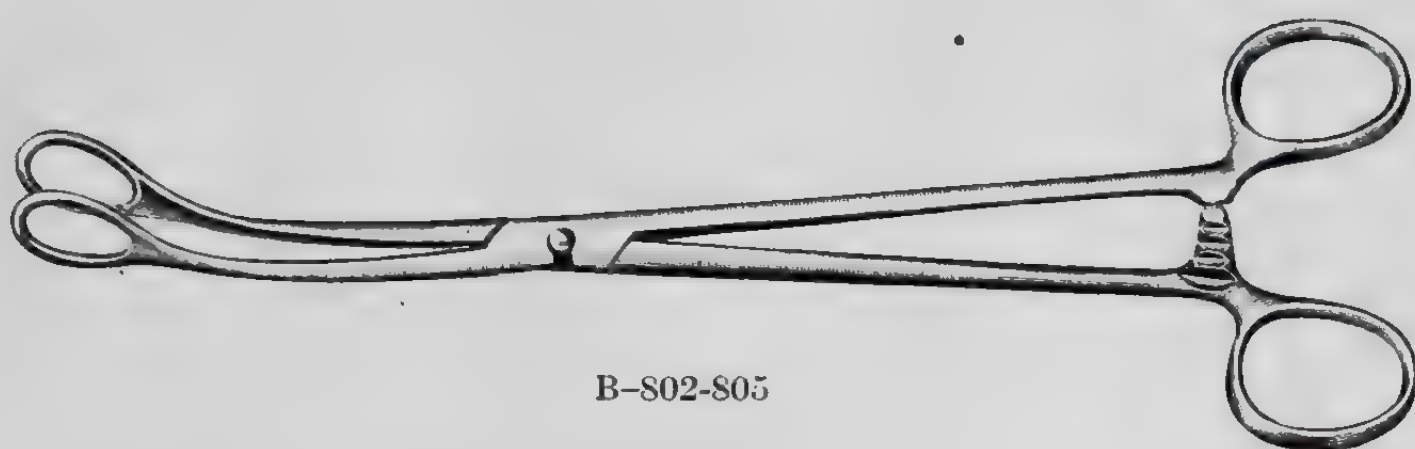
B-795

Sponge Holding Forceps

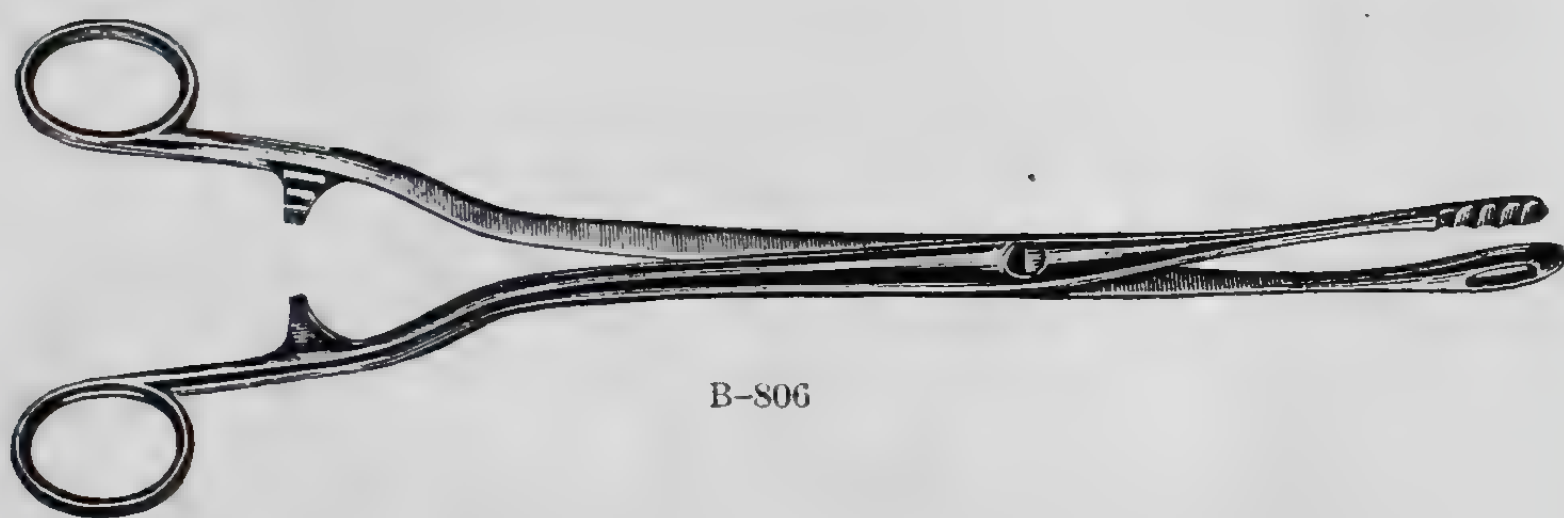
- B-790 **Bellevue**, plain blade.
- B-791 **Bellevue**, serrated blade.
- B-793 **De Lee's**, sponge holding and dressing, heavy.
- B-795 **Polk's**, sponge.



B-797-800



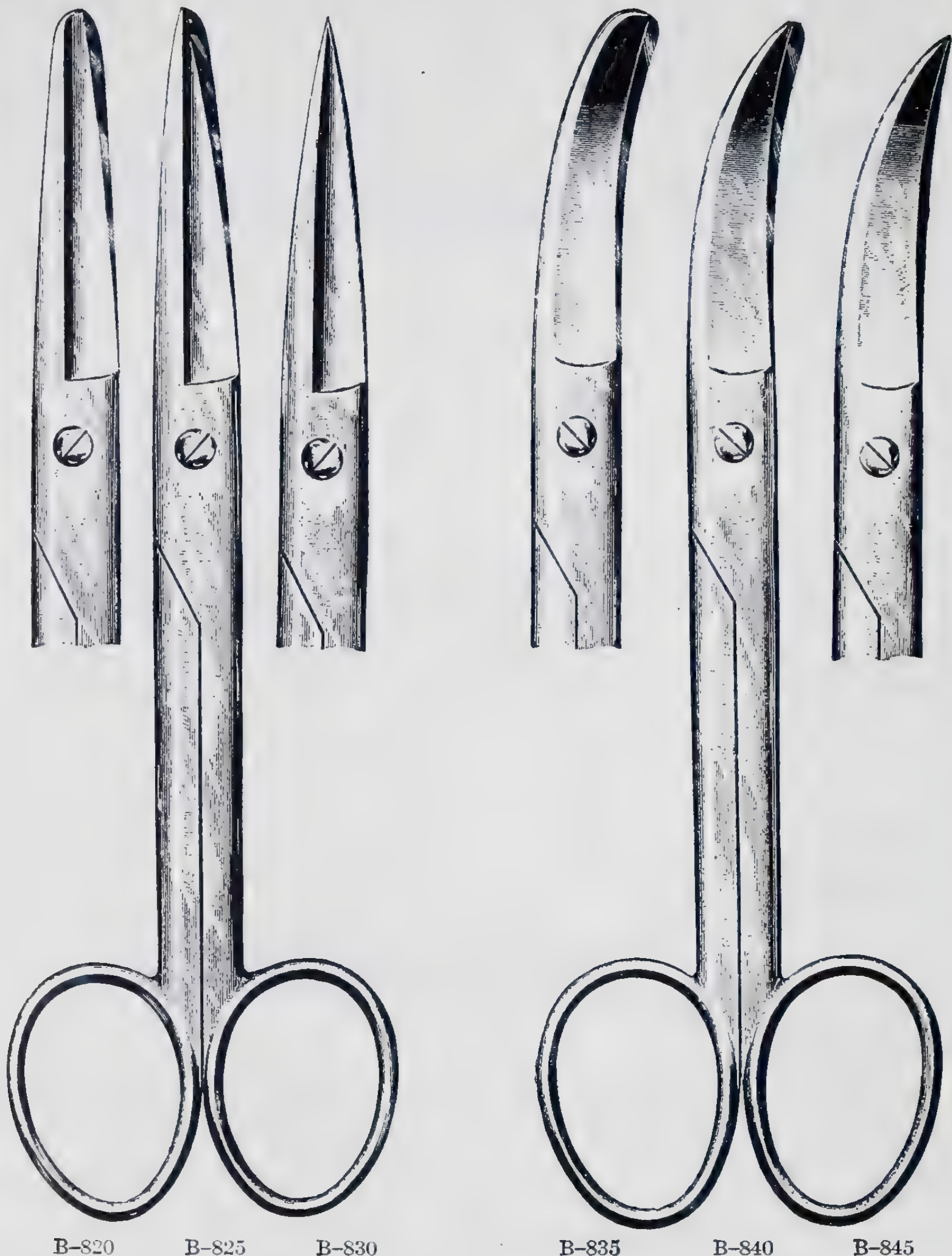
B-802-805



B-806

Sponge Holding Forceps

- B-797 **Foerster's**, straight, 7 inches, plain jaw.
- B-798 **Foerster's**, straight, 7 inches, serrated jaw.
- B-799 **Foerster's**, straight, 9½ inches, plain jaw.
- B-800 **Foerster's**, straight, 9½ inches, serrated jaw.
- B-802 **Foerster's**, curved, 7 inches, plain jaw.
- B-803 **Foerster's**, curved, 7 inches, serrated jaw.
- B-804 **Foerster's**, curved, 9½ inches, plain jaw.
- B-805 **Foerster's**, curved, 9½ inches, serrated jaw.
- B-806 **Haslam's**, combined sponge, dressing and seizing.
- *B-808 **Kelly's**.



B-820

B-825

B-830

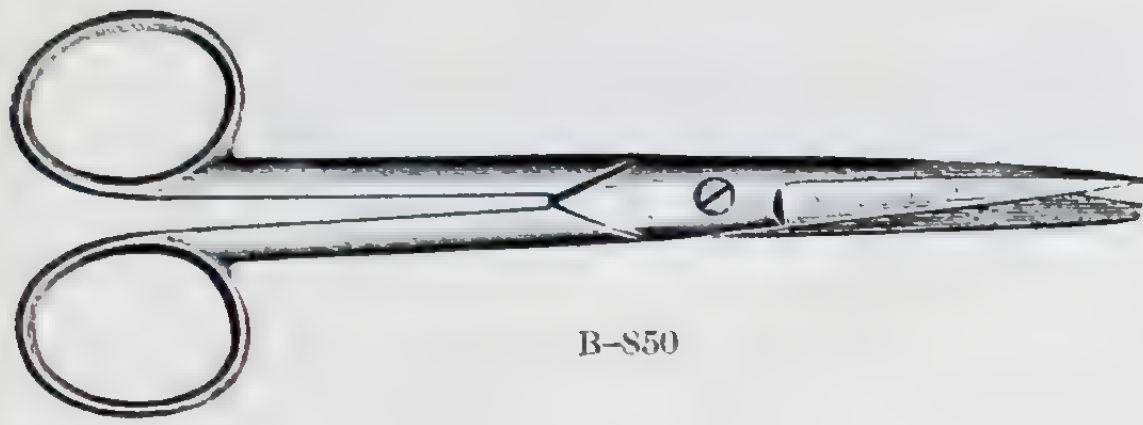
B-835

B-840

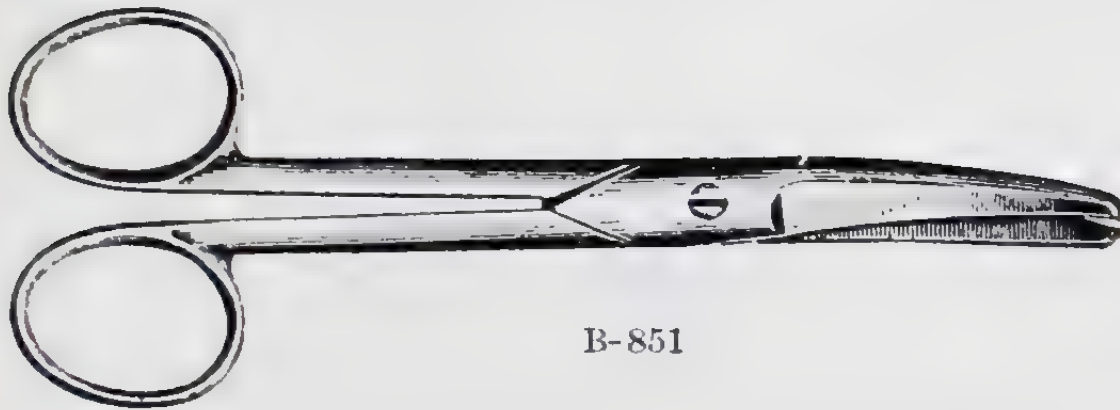
B-845

Operating Scissors

- B-820 Scissors, straight No. 1, two blunt points. Size: 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.
- B-825 Scissors, straight, No. 2, one blunt and one sharp point. Size: 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.
- B-830 Scissors, straight, No. 3, two sharp points. Size: 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.
- B-835 Scissors, curved on flat, No. 1, two blunt points. Size: 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.
- B-840 Scissors, curved on flat, No. 2, one blunt and one sharp point. Size, 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.
- B-845 Scissors, curved on flat, No. 3, two sharp points. Size: 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.



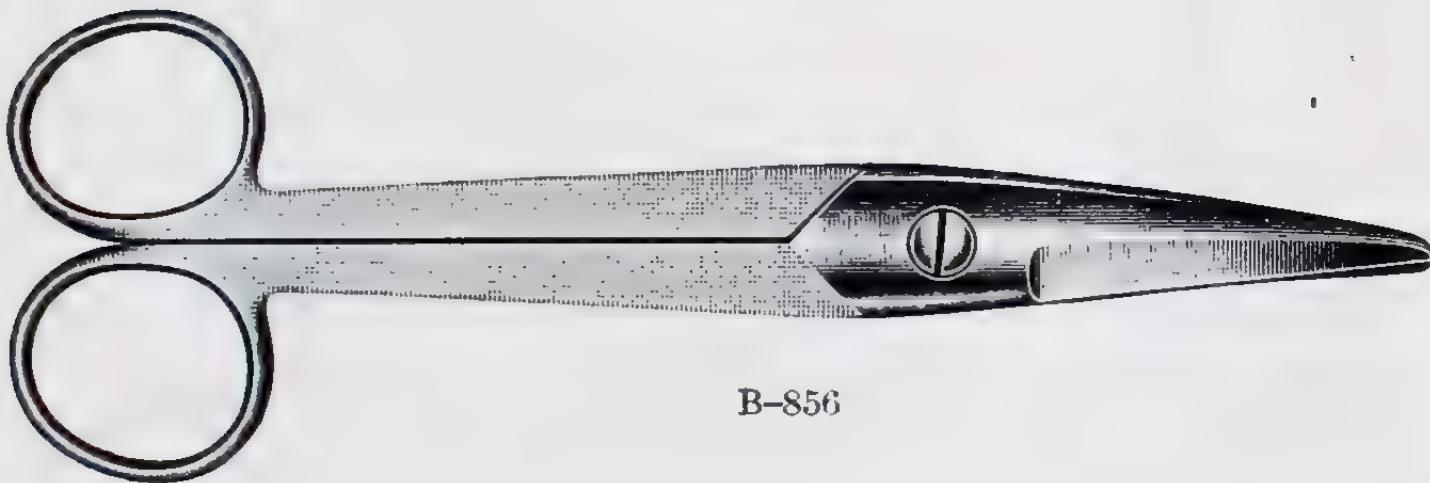
B-850



B-851



B-855



B-856

Operating Scissors—Hand Forged

These scissors are made in the very latest Flat Form pattern, from English steel, and are hand forged throughout.

B-850 **Deaver's**, straight, hand forged.

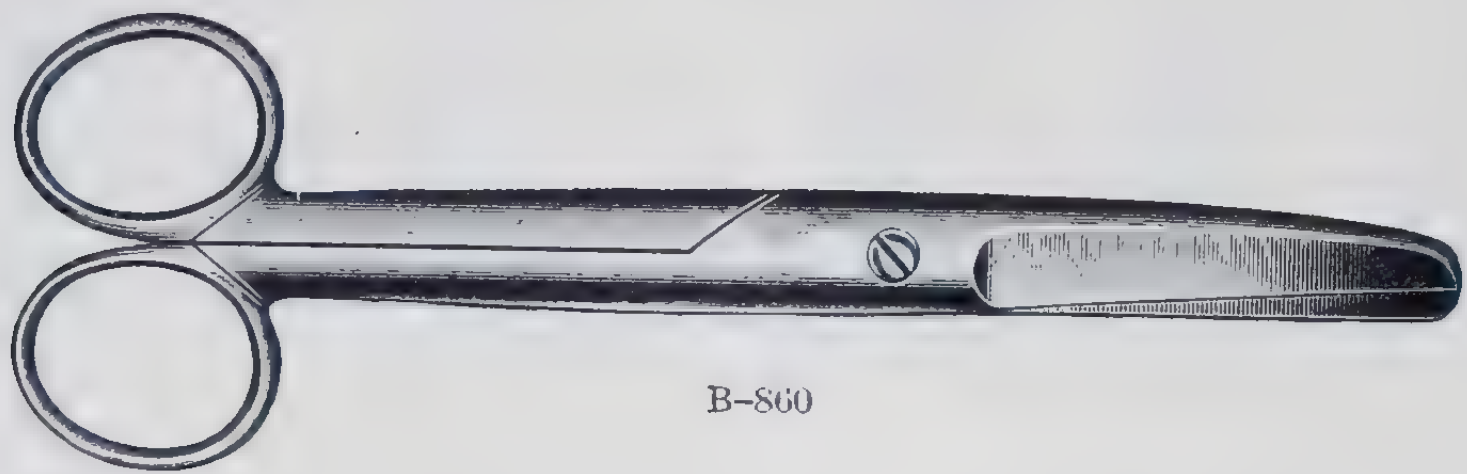
B-851 **Deaver's**, curved on flat, hand forged.

B-855 **Noble's**, straight, $6\frac{1}{4}$ inches, hand forged.

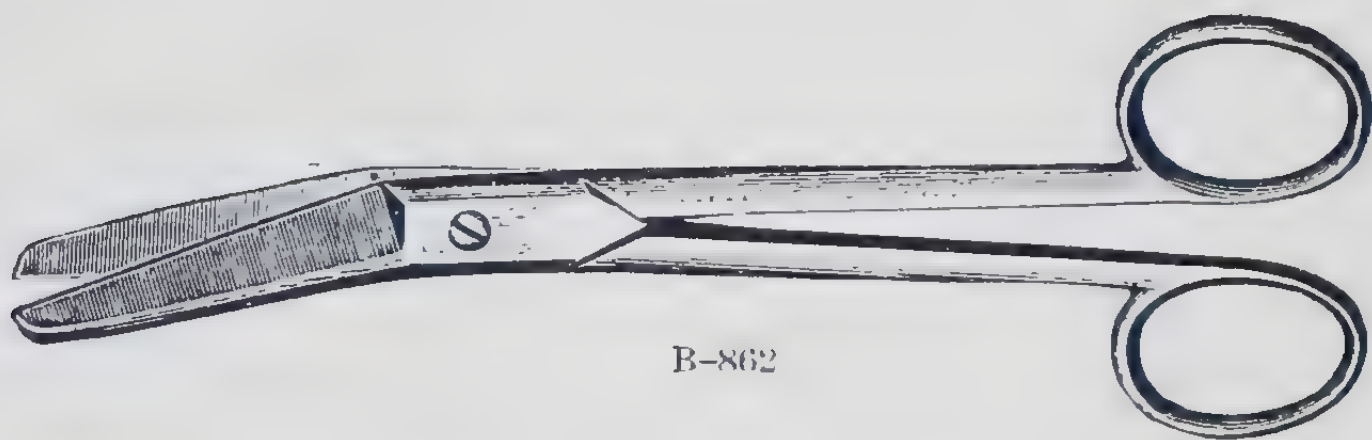
B-856 **Noble's**, curved on flat, $6\frac{1}{4}$ inches, hand forged.

*B-858 **Noble's**, straight, $6\frac{1}{4}$ inches, Mayo dissecting blades, hand forged.

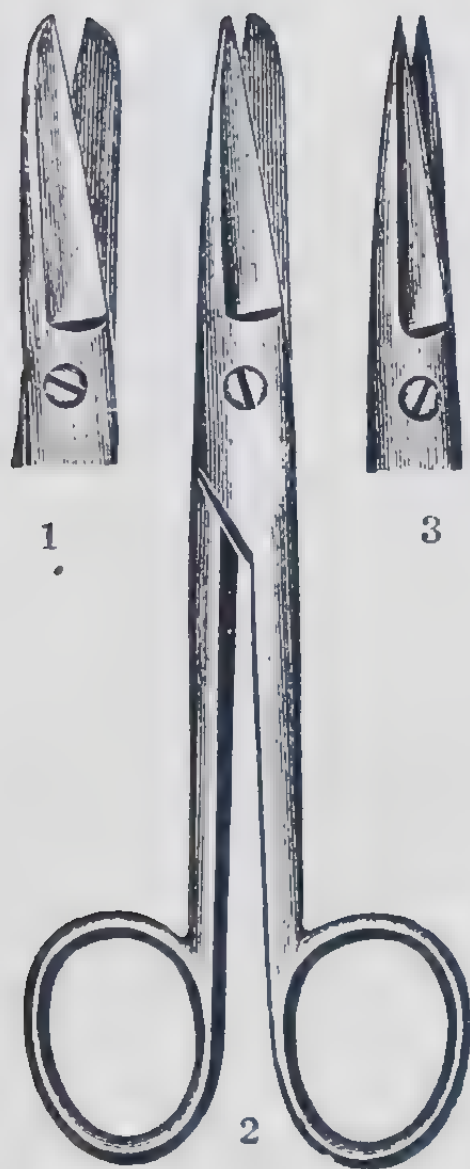
*B-859 **Noble's**, curved on flat, $6\frac{1}{4}$ inches, Mayo dissecting blades, hand forged.



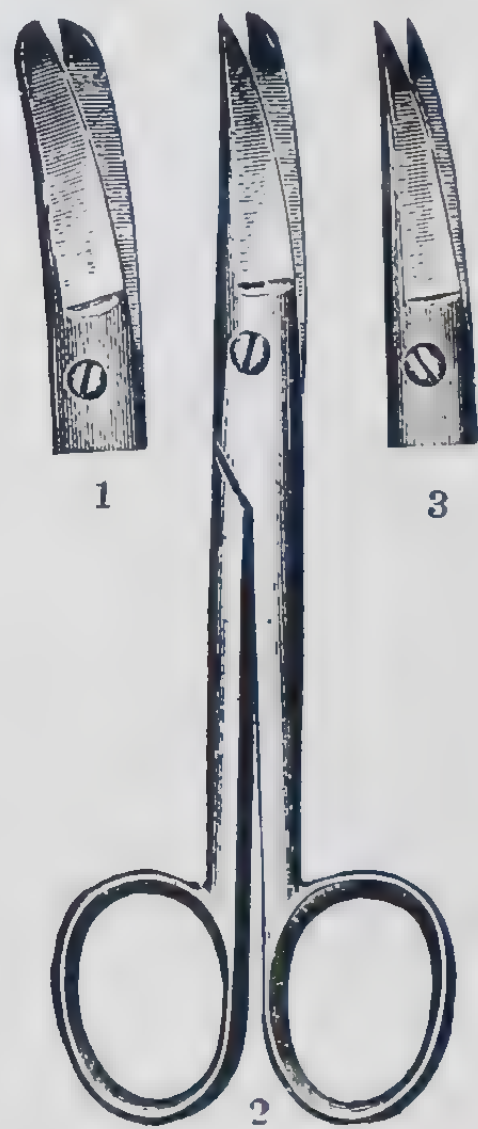
B-860



B-862



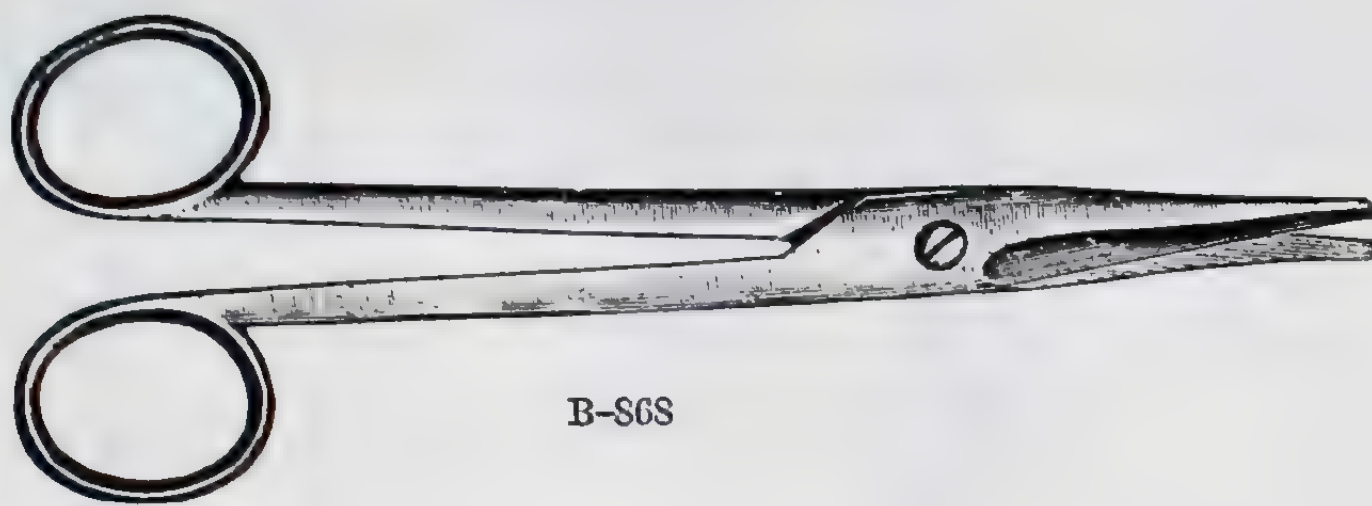
B-865



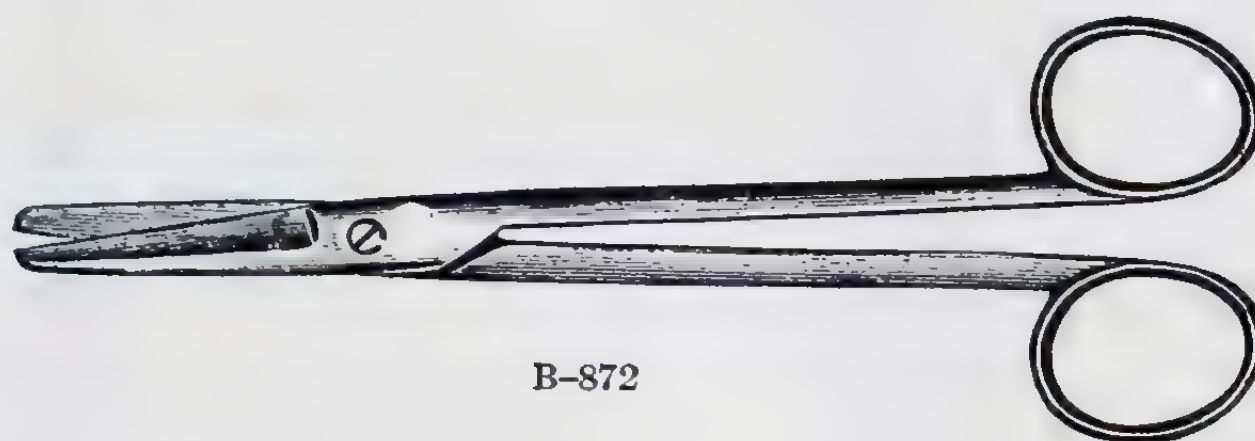
B-866

Operating Scissors

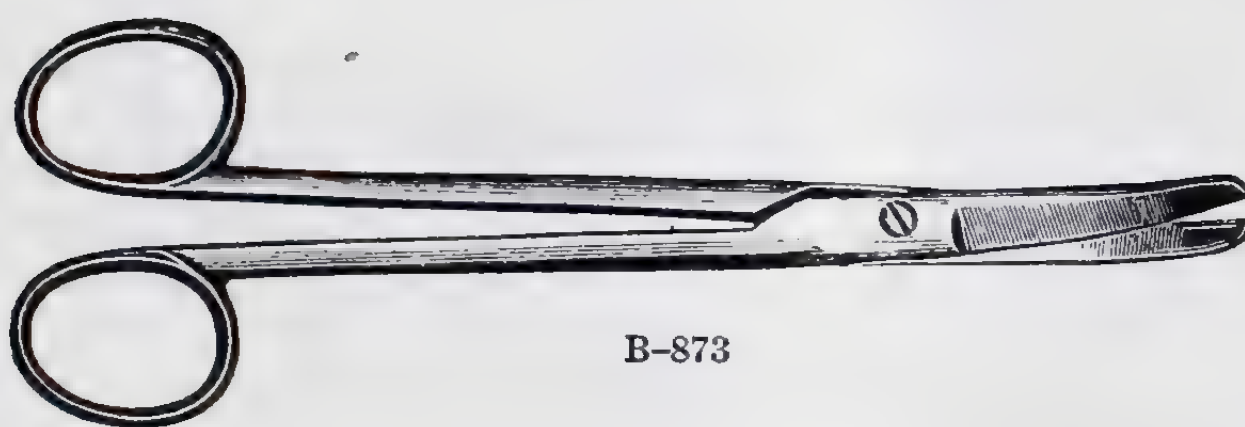
- B-860 **Doyen's**, straight, 7 inches, abdominal.
- *B-861 **Doyen's**, curved on flat, 7 inches, abdominal.
- B-862 **Ferguson's**, angled on flat, 7 inches, 8 inches.
- B-865 **Mayo's**, straight, 5 inches, 5½ inches.
- B-866 **Mayo's**, curved on flat, 5 inches, 5½ inches.



B-868



B-872



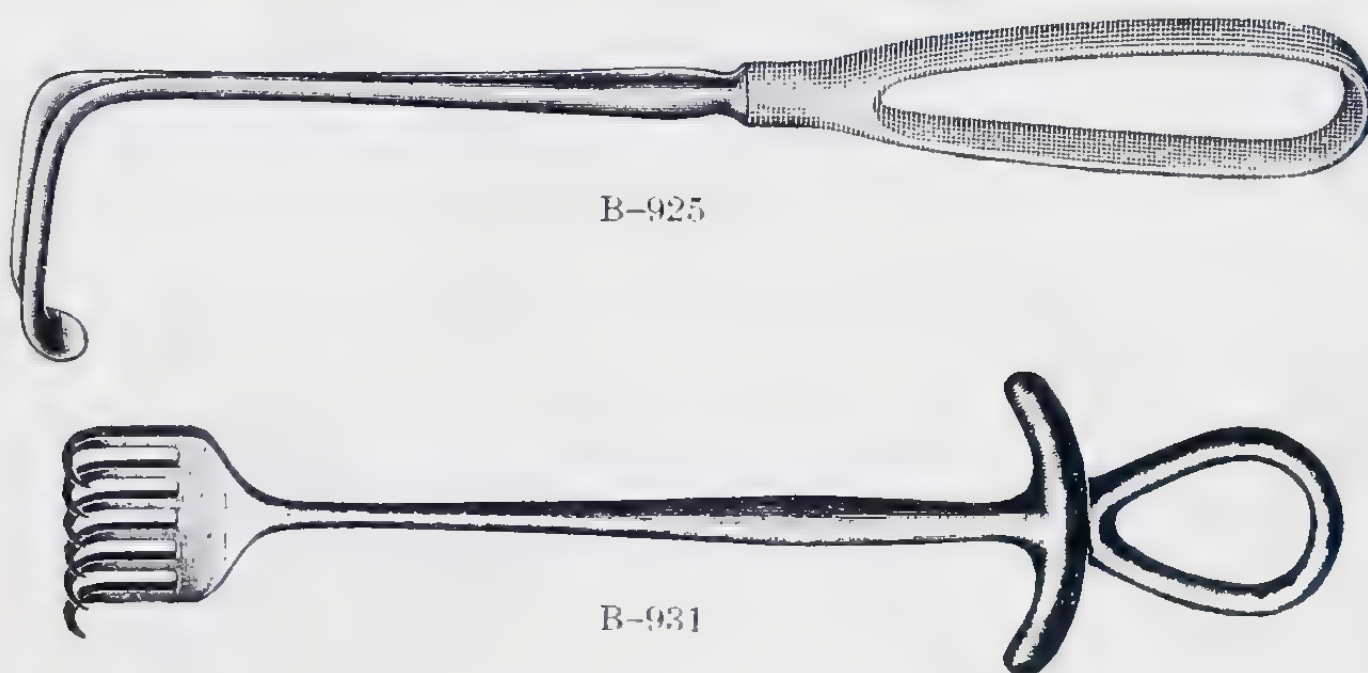
B-873



B-875

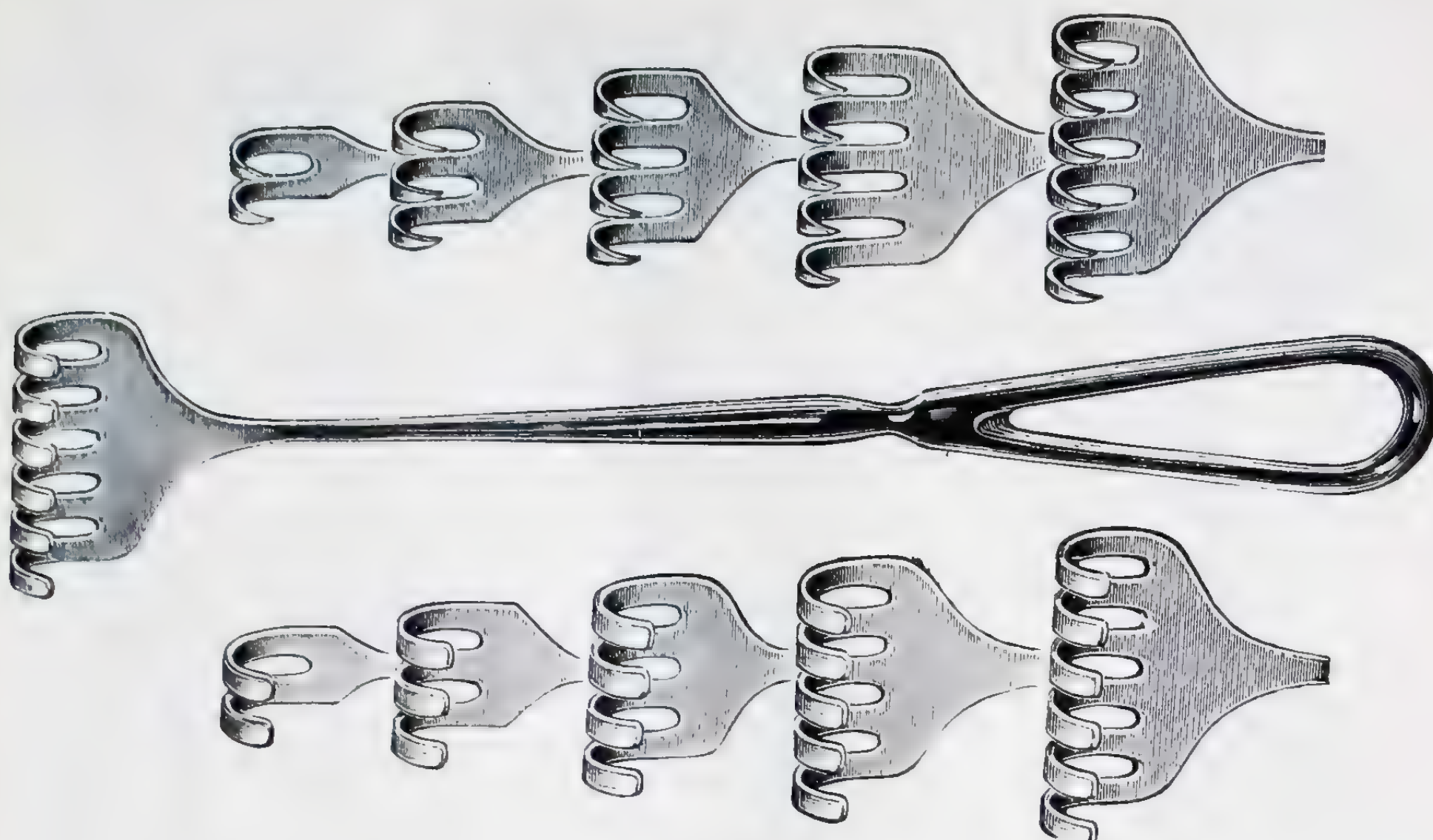
Operating Scissors

- B-868 **Mayo**, straight, dissecting, $5\frac{1}{2}$ inches, $6\frac{3}{4}$ inches.
- *B-870 **Mayo's**, curved on flat, dissecting, $5\frac{1}{2}$ inches, $6\frac{3}{4}$ inches.
- B-872 **Mixer's**, straight, 6 inches.
- B-873 **Mixer's**, curved on flat, 6 inches.
- B-875 **Vizien's**, curved on edge.



Retractors—General

- *B-900 Bilroth's, blunt, 3 prongs.
- B-905 Collin's, set of two, fenestrated.
- B-910 Forwood's, set of two.
- B-912 Goelet's, double.
- B-918 Lange's, major.
- *B-919 Lange's, minor.
- B-922 Parker's, set of 2, short, long.
- B-925 Richardson's, small, original.
- *B-930 Schultz's, blunt, 6 prongs.
- B-931 Schultz's, sharp, 6 prongs.
- B-935 U. S. Army, steel, set of two.



B-940-945

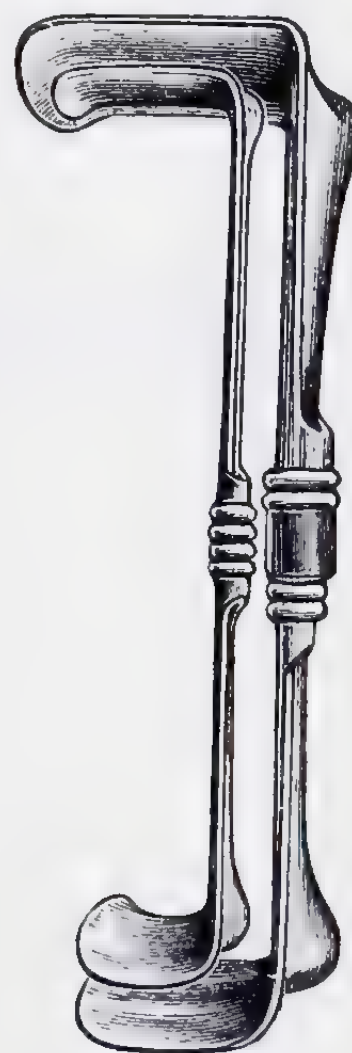


B-950

B-951

B-952

B-953



B-954

Retractors—General

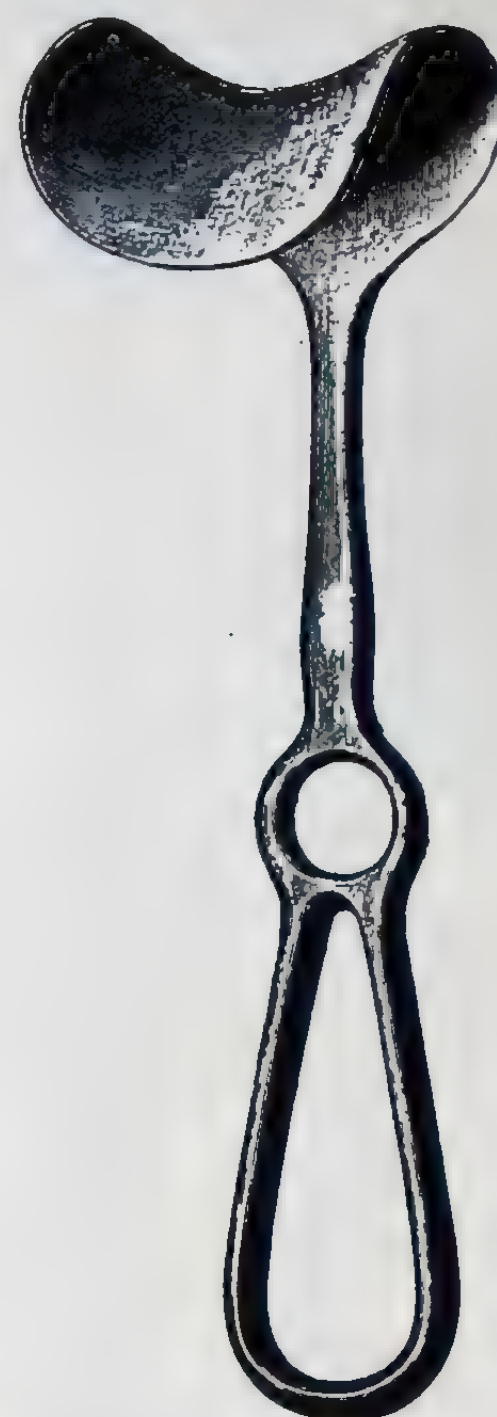
- B-940 **Volkman's**, sharp, 2 prongs, 3 prongs, 4 prongs, 5 prongs, 6 prongs.
- B-945 **Volkman's**, blunt, 2 prongs, 3 prongs, 4 prongs, 5 prongs, 6 prongs.
- B-950 **Deaver's**, short, 1 inch wide.
- B-951 **Deaver's**, long, 1 inch wide.
- B-952 **Deaver's**, extra long, 1 inch wide.
- B-953 **Deaver's**, extra long, 2 inches wide.
- B-954 **Eastman-Richardson's**, double ended, set, nested; blades $\frac{3}{4}$ x 2 inches and 2 x $2\frac{1}{2}$ inches.



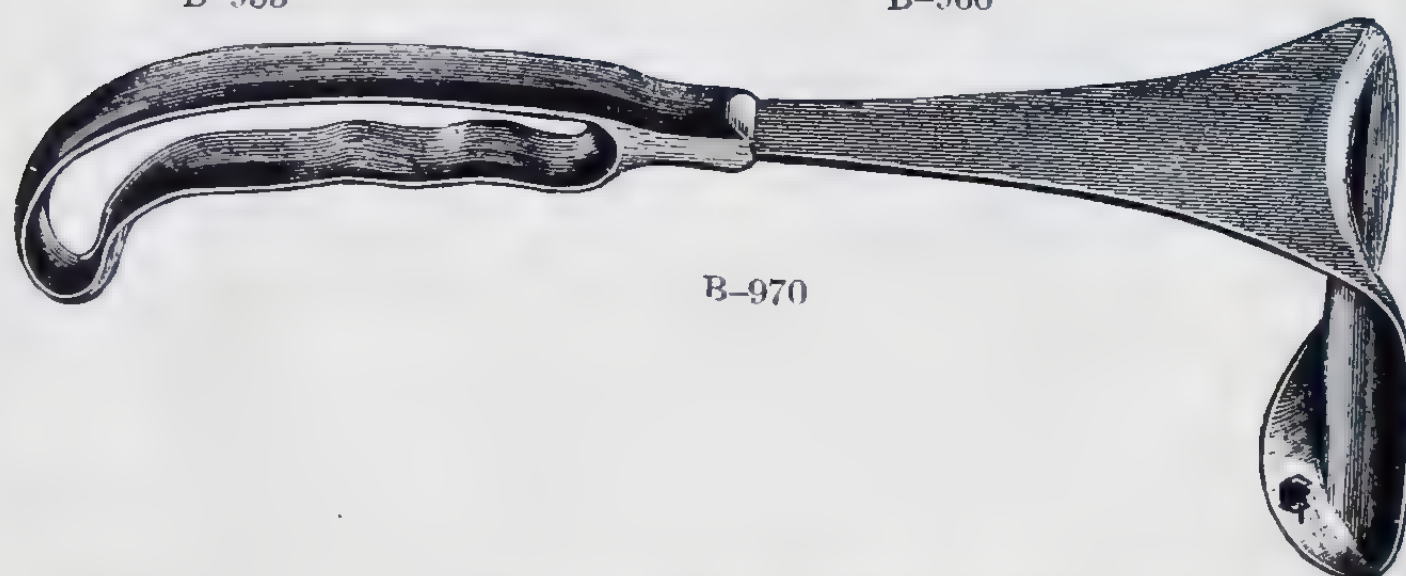
B-955



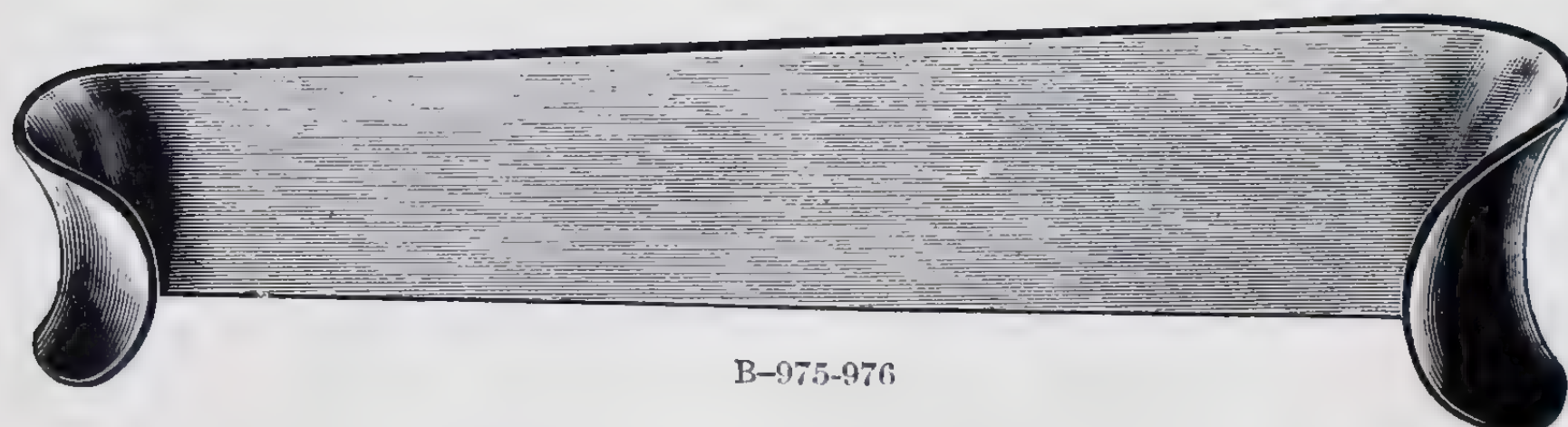
B-960



B-966



B-970



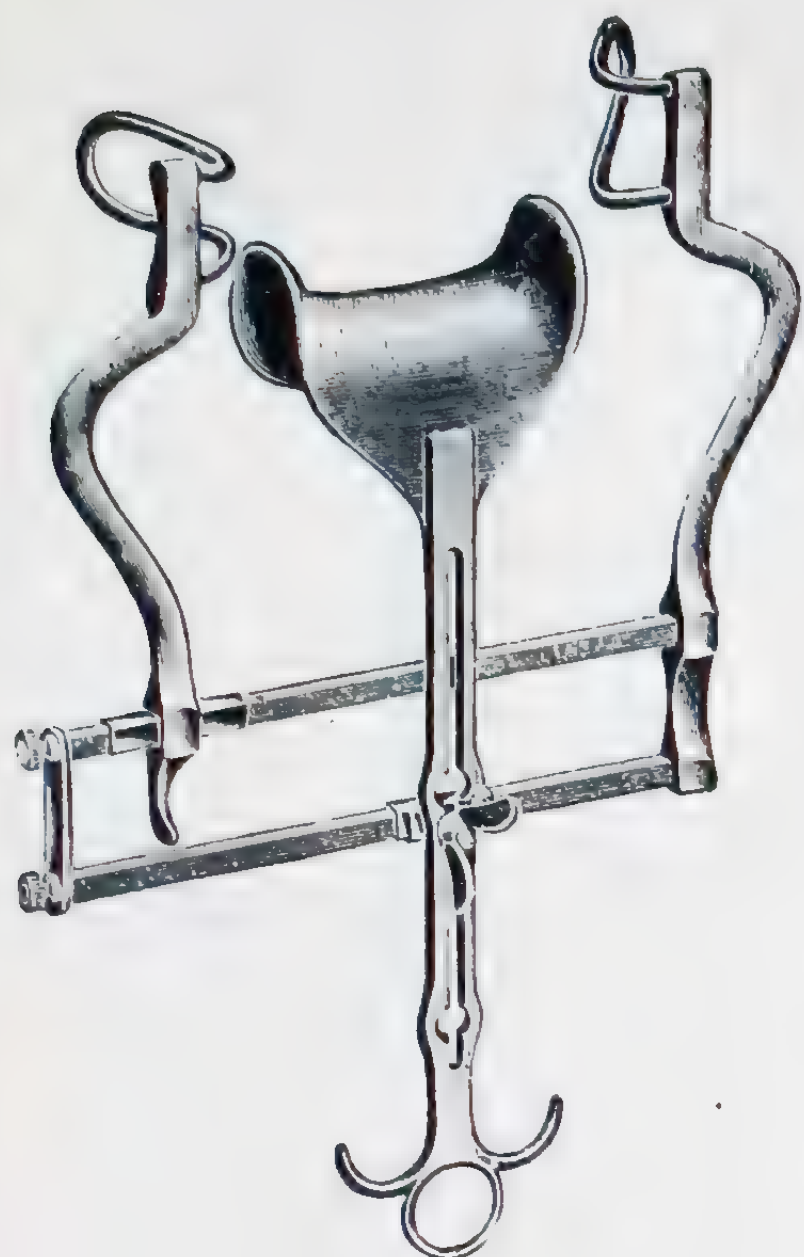
B-975-976



B-980

Retractors—General

- B-955 Donoghue's, 3 sizes,
- B-960 Doyen's, thin steel blade.
- *B-965 Fritsch's, small.
- B-966 Fritsch's, large.
- B-970 Kelly's, original model, 4 sizes.
- B-975 Roux's, double ended, blades $\frac{7}{8}$ and $1\frac{1}{2}$ inches wide.
- B-976 Roux's, double ended, blades $1\frac{3}{8}$ and $1\frac{7}{8}$ inches wide.
- B-980 Studdiford's.



B-990



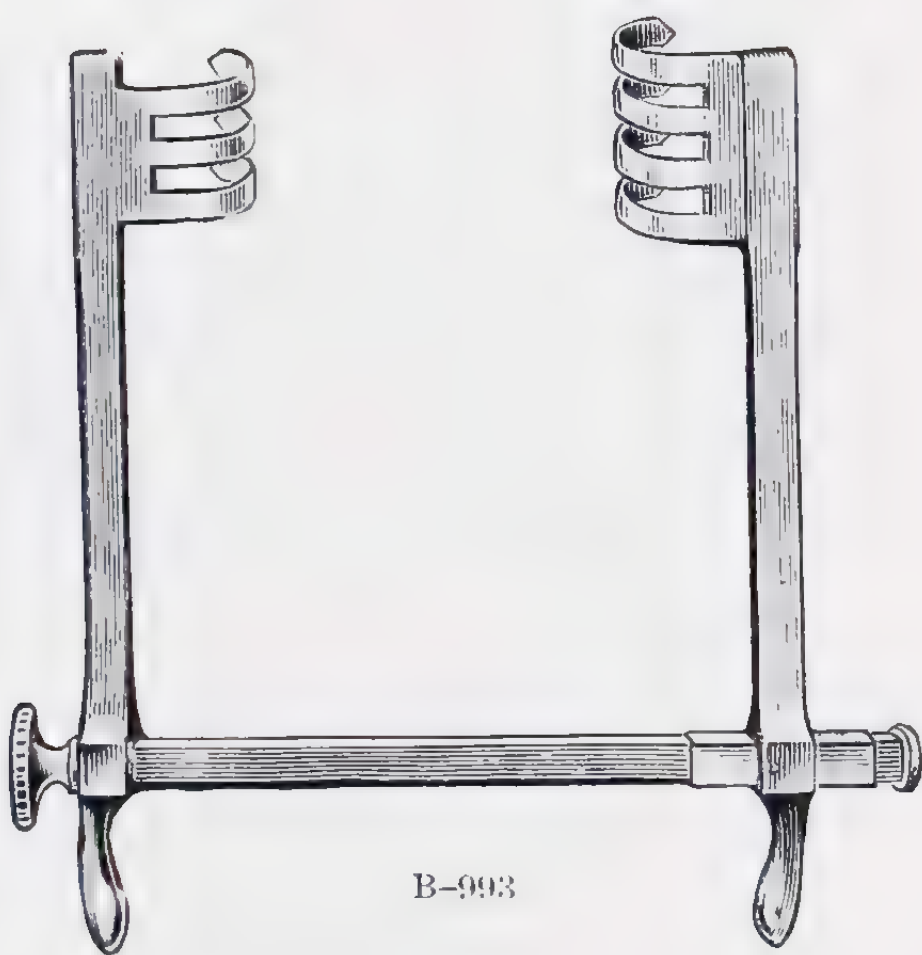
B-991



B-995



B-998



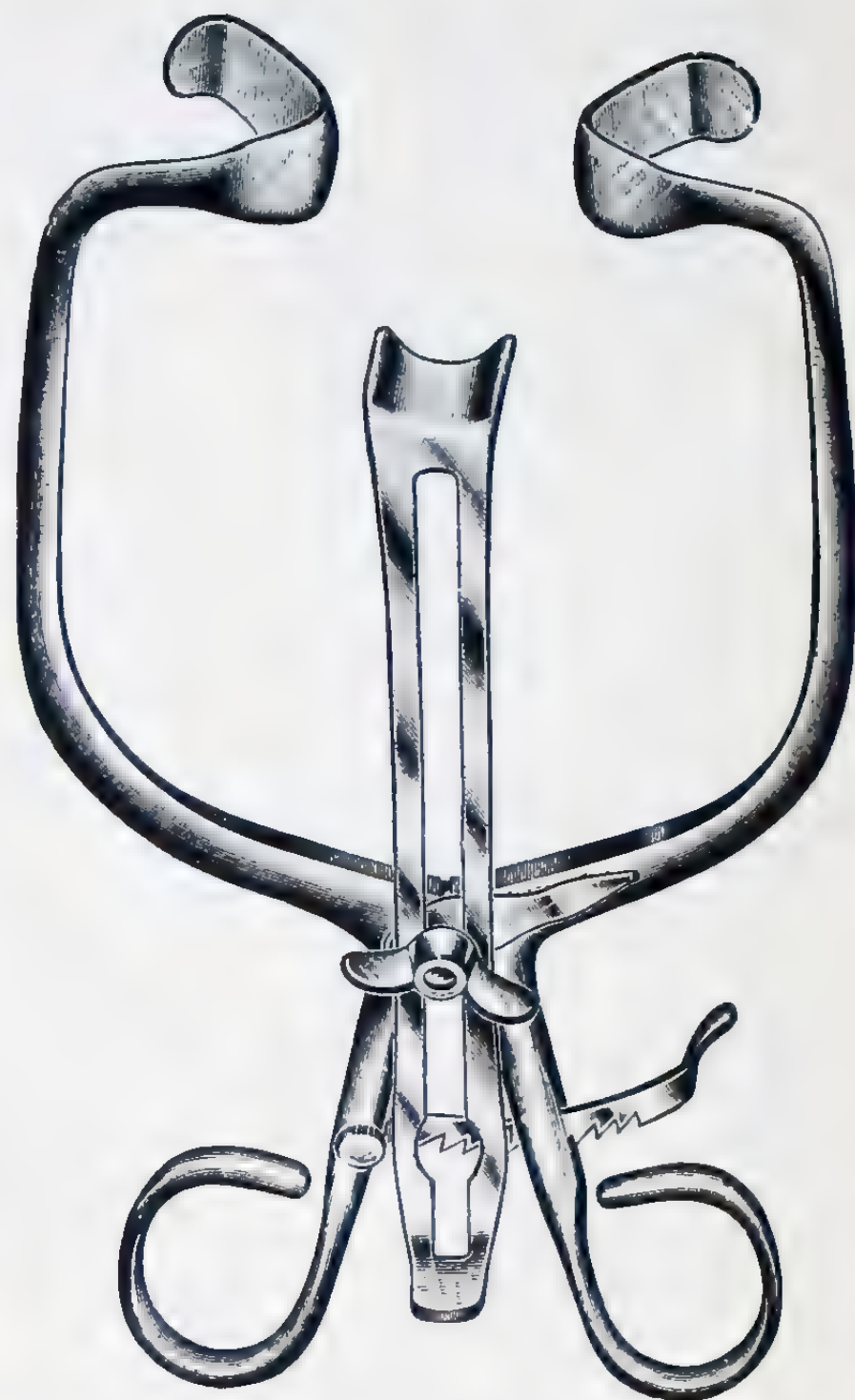
B-993

Retractors—Self Retaining

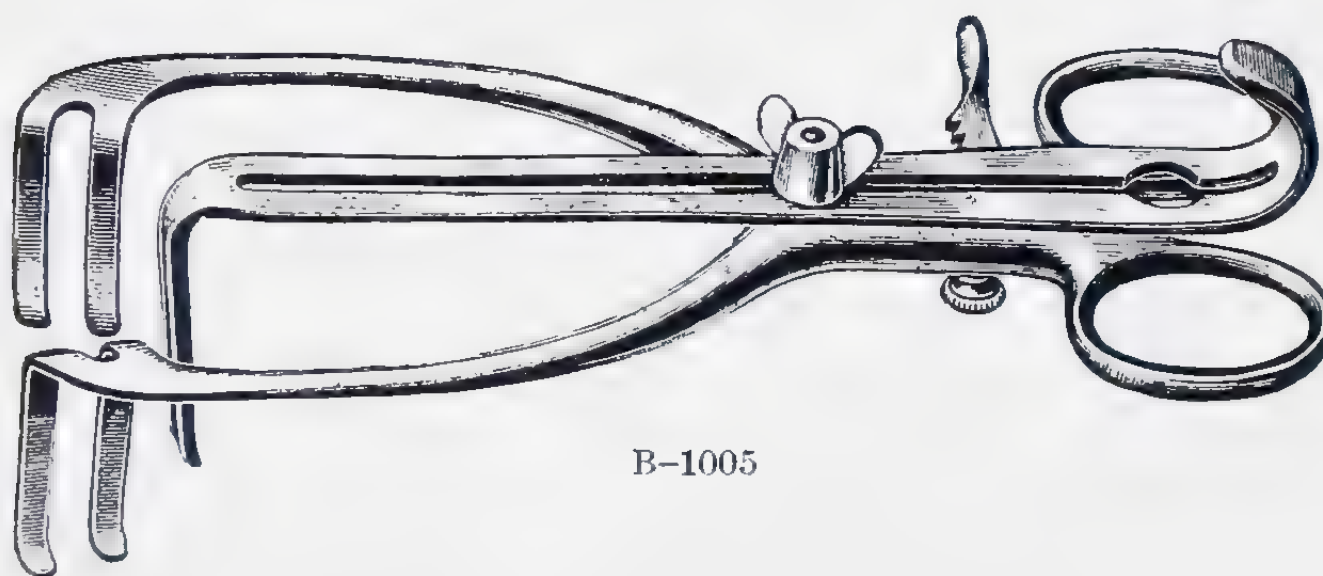
- B-990 **Balfour's.**
- B-991 **Balfour's, narrow blade only.**
- B-993 **Frazier's, laminectomy.**
- B-995 **Gelpi's, perineal.**
- B-998 **Gelpi's, modified by Pitkin, perineal.**



B-1000-1001



B-1008



B-1005

Retractors—Self Retaining

- B-1000 **Gossert's**, self retaining, large.
- B-1001 **Gossert's**, self retaining, small.
- B-1005 **Mayo-Collins'**, for appendectomy and herniotomy.
- *B-1006 **Mayo's** (Dr. W. J.), for appendectomy and herniotomy. This retractor is the same as B-1005, minus the third blade.
- B-1008 **Mayo-Collins'-Simpson's**, abdominal.
- *B-1010 **Mayo-Simpson's**, abdominal. This retractor is the same as B-1008, minus the third blade.



B-1050



B-1054



B-1055



B-1057



3



2



1



B-1070



B-1060
1062



B-1063
1064



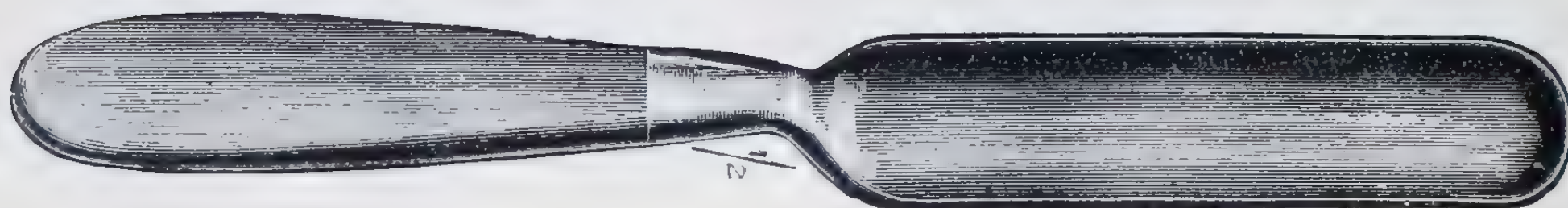
B-1072



B-1074

Directors, Probes, etc.

- B-1050 Director, **Boyd's**, hernia.
- *B-1052 Director, grooved, with aneurism needle, plated.
- B-1054 Director, grooved, with tongue tie, plated.
- B-1055 Director, grooved, with tongue tie, probe point, plated.
- B-1057 Director, **Kocher's**.
- B-1060 Probe, with eye, plated, 4½ inches, 5 inches, 5½ inches, 6 inches, 8 inches, 10 inches, 12 inches.
- B-1062 Probe, with eye, silver, same lengths as B-1060.
- B-1063 Probe, spear point, plated, same lengths as B-1060.
- B-1064 Probe, spear point, silver, same lengths as B-1060.
- B-1070 Probes, **Desjardine's**, gall stone, 3 sizes.
- B-1072 Probe, **Faenger's**, spiral, for gall duct; can also be used as a catheter.
- B-1074 Probe, **Mayo's**, block tin, with scoop and director, for gall duct.



B-1080



B-1085



B-1086

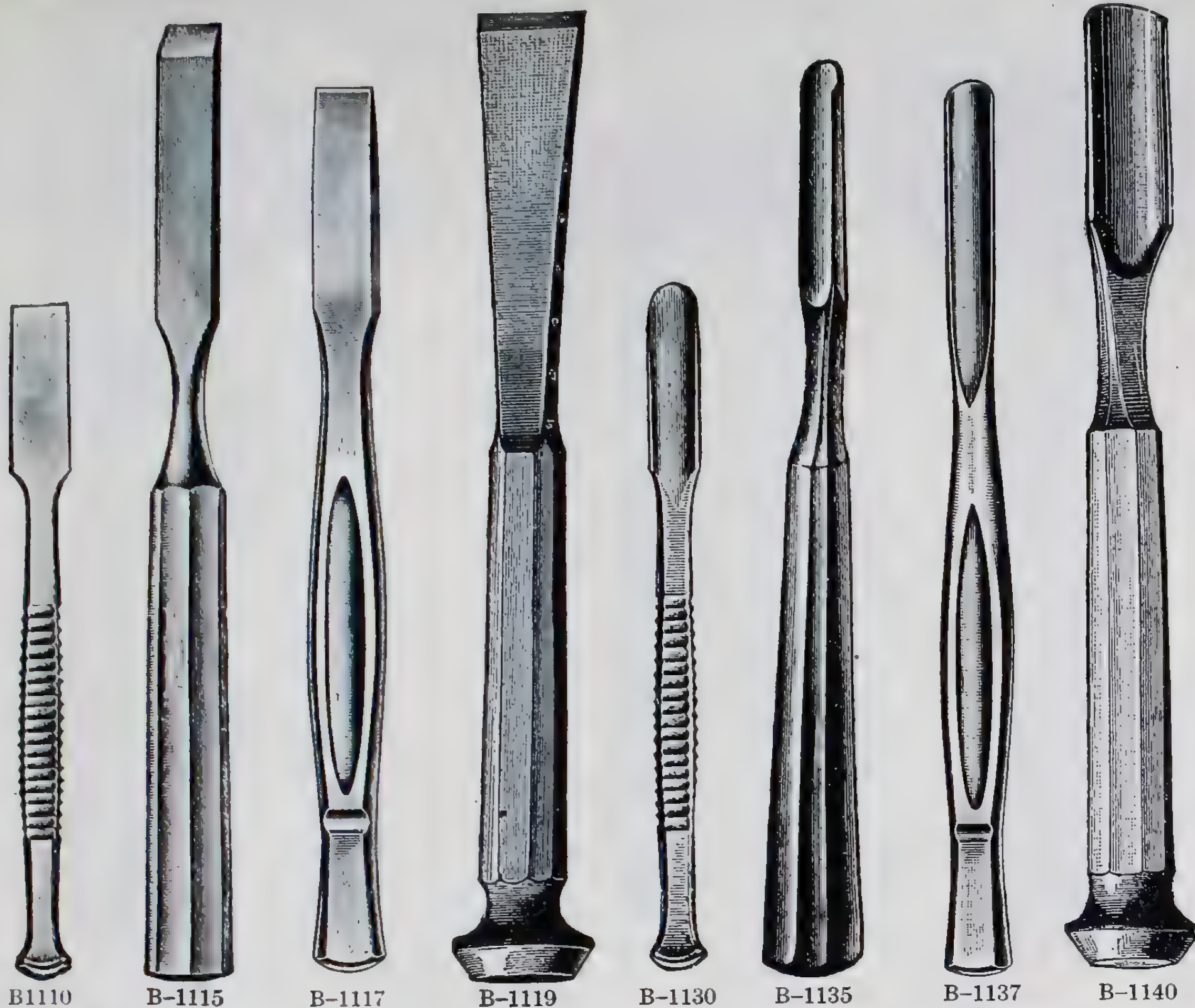


B-1090



B-1095

- B-1080 Spoon, **Beck's**, for depressing the intestines in suturing the peritoneum.
- B-1085 Tucker, **Mayo-Boldt's**, for tucking in the cuff of the appendix.
- B-1086 Tucker and Packer, **Mayo-Kelly's**.
- B-1090 Vein Stripper, **Babcock's**, jointed.
- B-1095 Vein Stripper, **Mayo's**, 3 sizes, for stripping or dissecting varicose veins.



Chisels

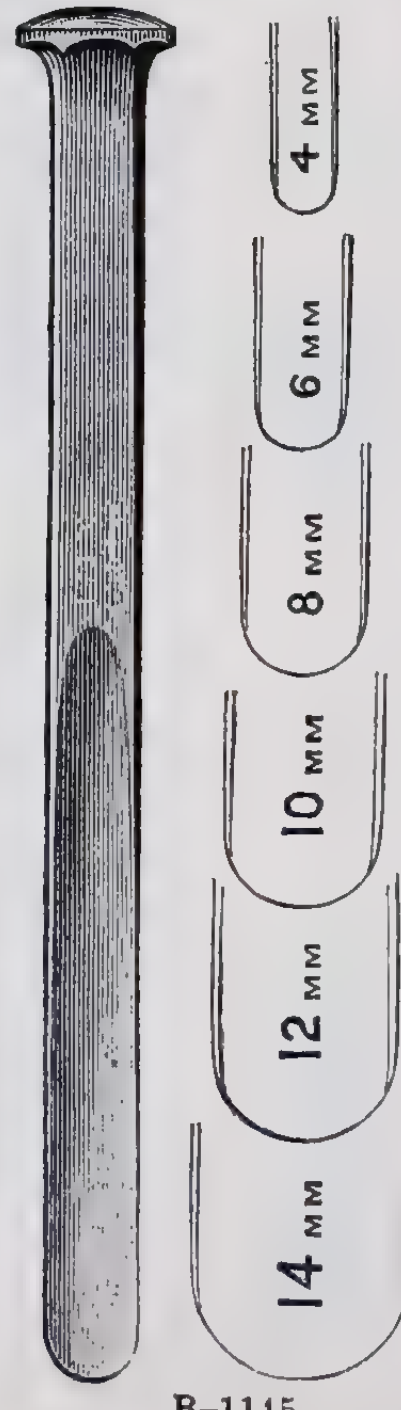
- B-1110 Plain, 3 widths.
- B-1115 **Bruns'**, 3 widths.
- B-1117 **Gutsch's**, 3 widths.
- B-1119 **McEwen's**, 3 widths.
- B-1120 U. S. A. pattern, bevel edge, 6, 11 and 14 mm.
- B-1121 U. S. A. pattern, osteotome edge, 6, 11 and 14 mm.

Gouges

- B-1130 Plain, 3 widths.
- B-1135 **Bruns'**, 3 widths.
- B-1137 **Gutsch's**, 3 widths.
- B-1140 **McEwen's**, 3 widths.
- *B-1142 **Scymanowsky's**, large.
- B-1145 U. S. A. pattern, 6 widths.



B-1121



B-1145



B-1160



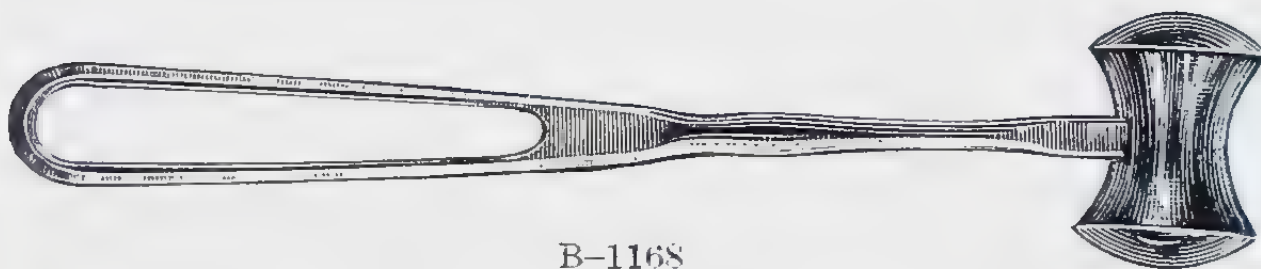
B-1162



B-1164



B-1166



B-1168



B-1170



B-1172

Mallets

- B-1160 **Boxwood**, plain, metal bound.
- B-1162 **Fibre**, metal handle.
- B-1164 **Hajek's**.
- B-1166 **Jansen's**, small.
- B-1168 **Lead**, regular.
- B-1170 **Lead**, extra small.
- B-1172 **Morgan's**, hard copper.
- *B-1175 **Rawhide**, small, large.



B-1190



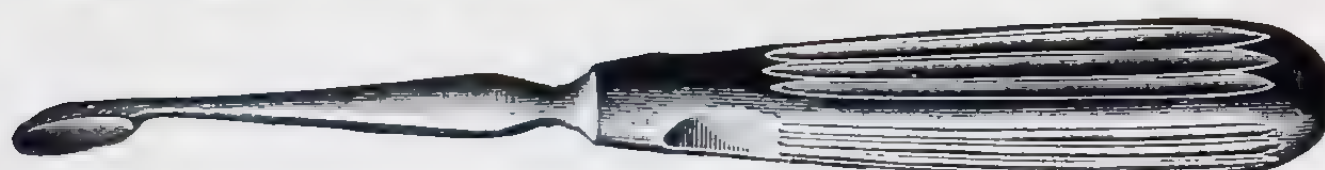
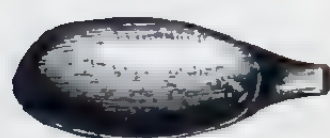
B-1195



B-1197



B-1200



B-1202

Bone Curettes

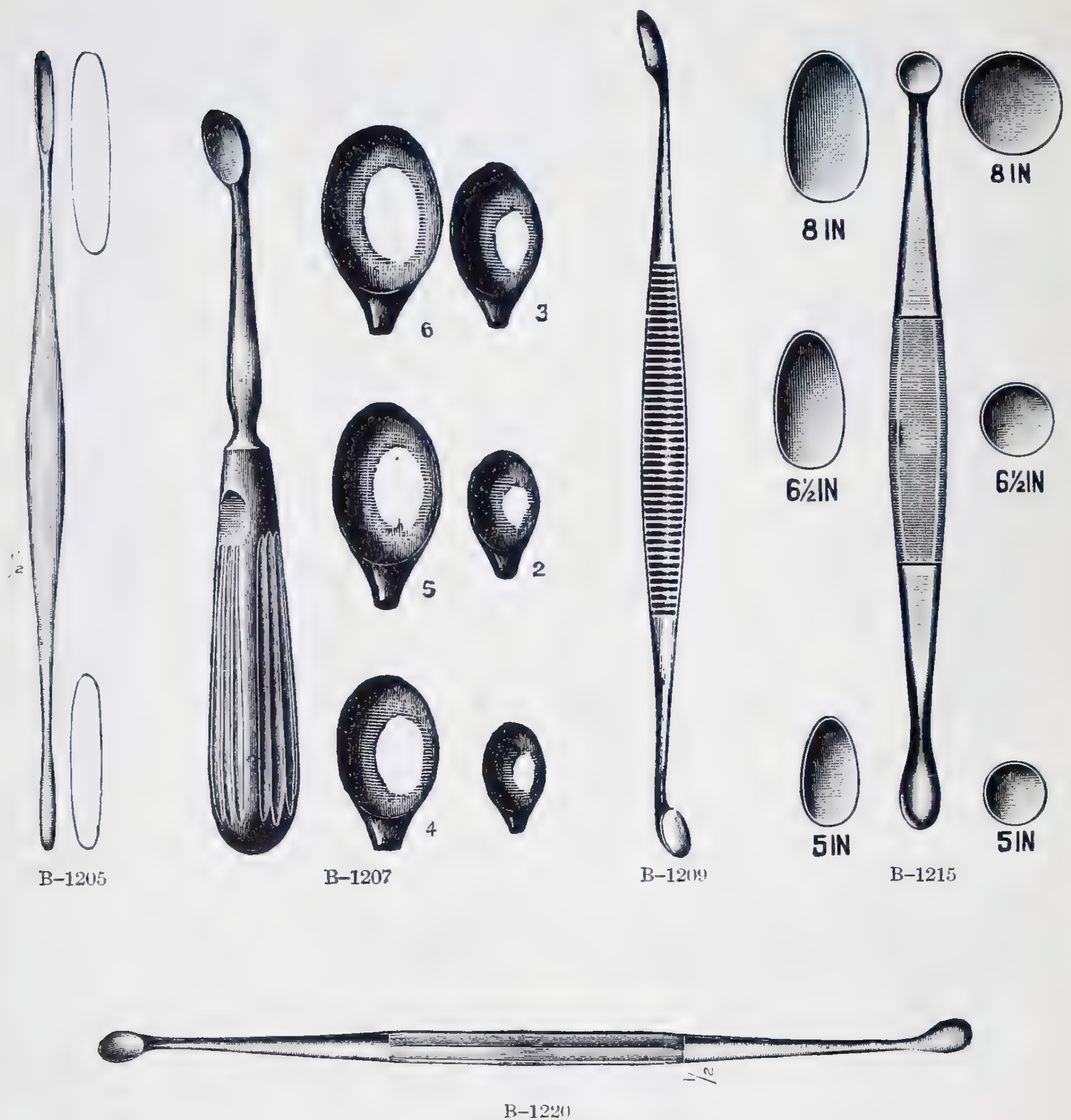
B-1190 Brun's, 3 sizes.

B-1195 Farabeuf's, curved, 1 size.

B-1197 Ferguson's, combined with pereosteotome.

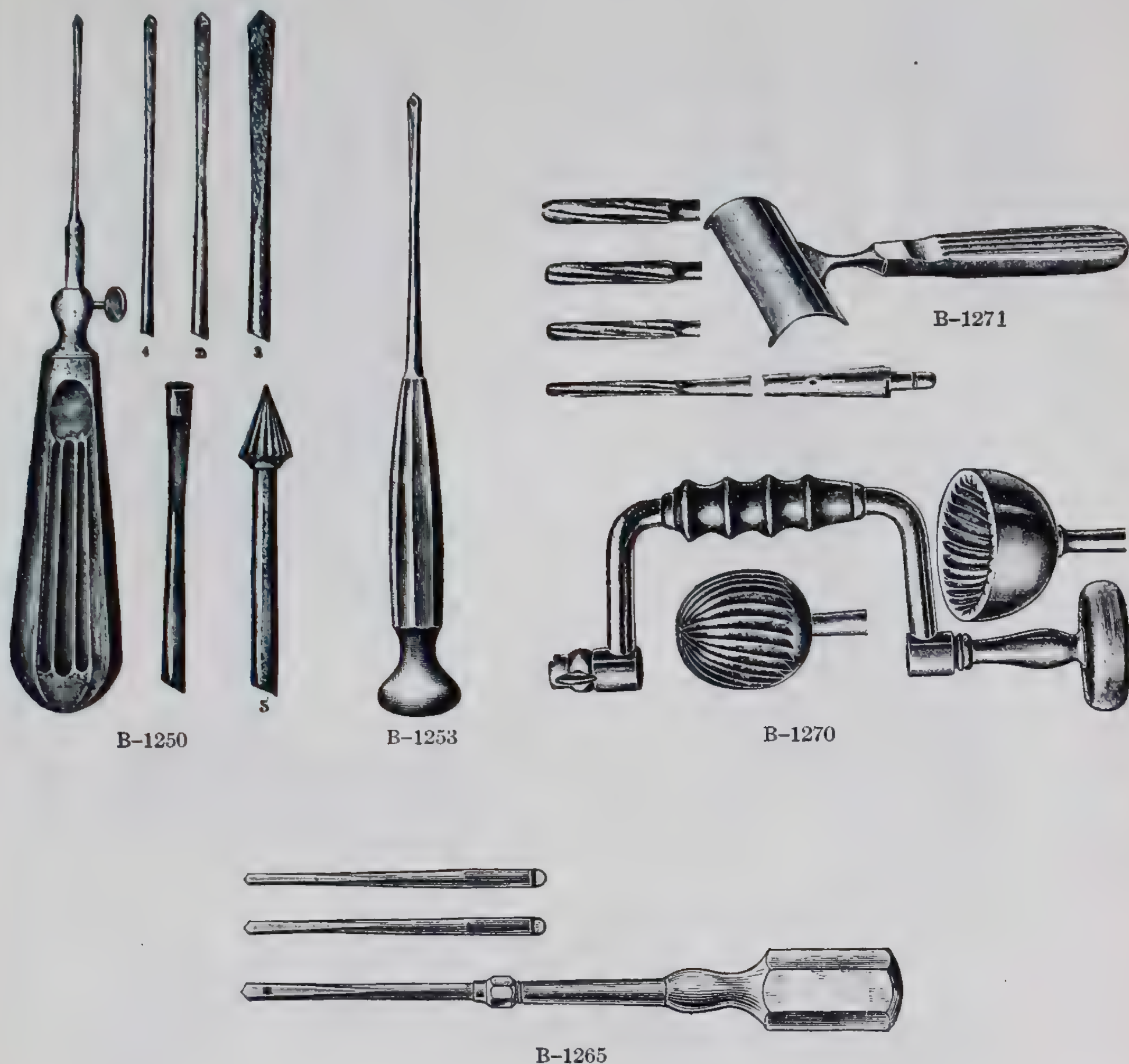
B-1200 Luer's, 3 sizes, same as No. 1190.

B-1202 Schede's, 3 sizes.



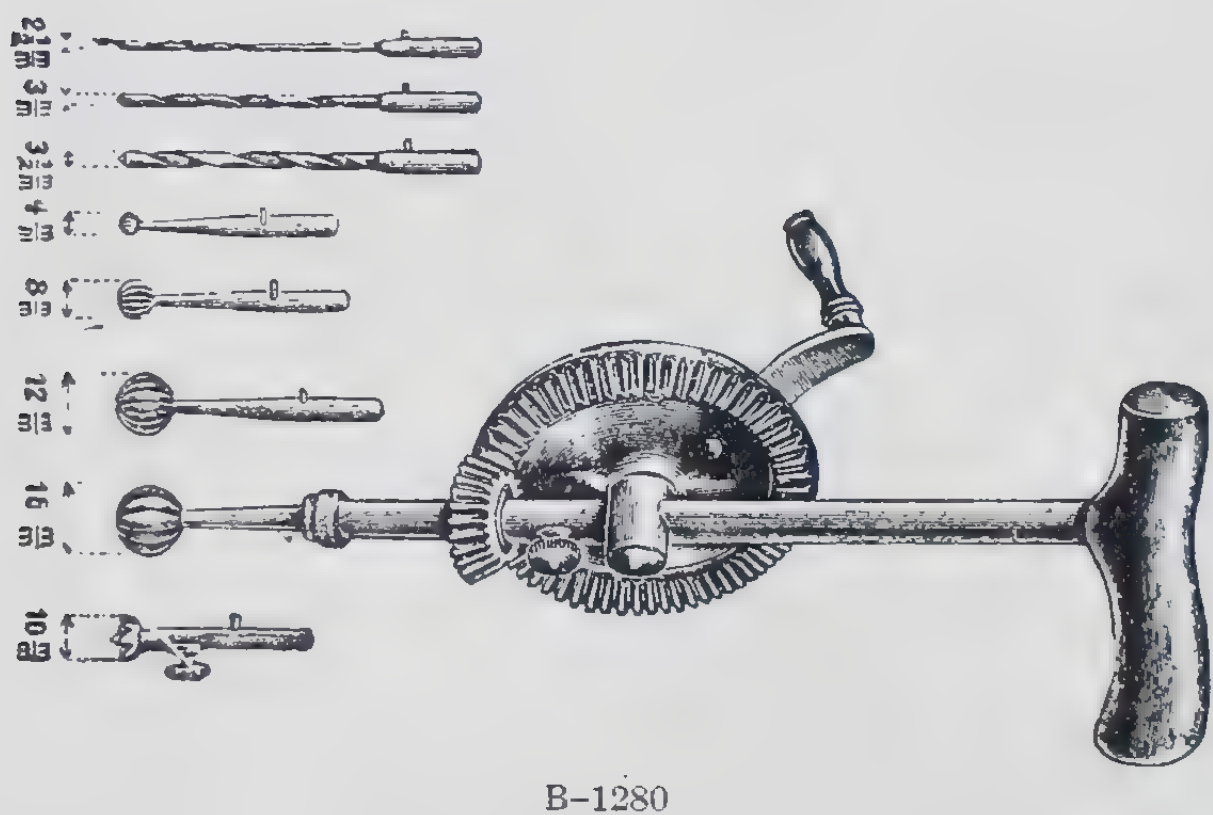
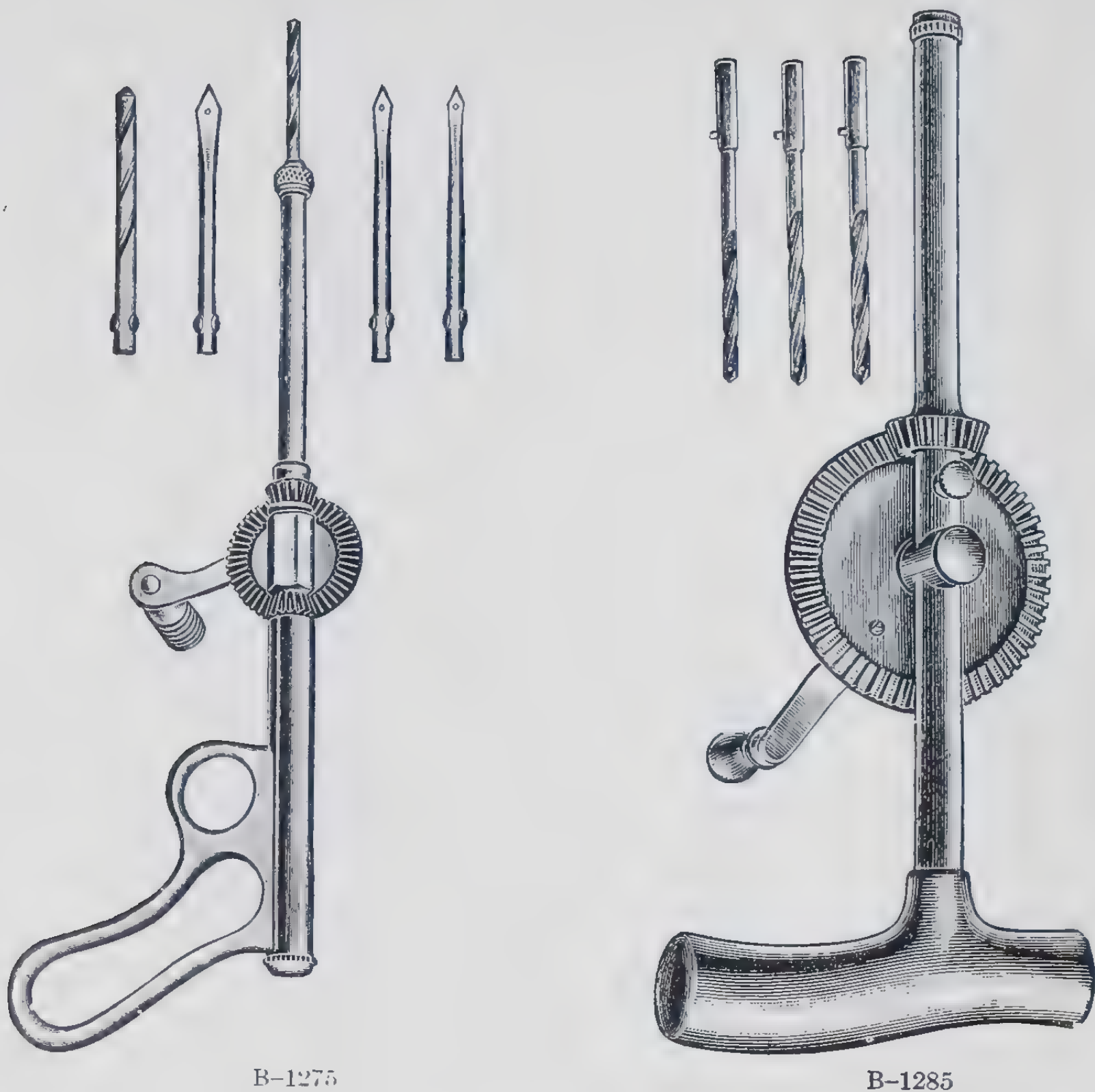
Bone Curettes

- B-1205 **Simon's**, bone sinus, double ended.
- B-1207 **Volkman's**, 6 sizes.
- B-1209 **Volkman's**, oval, double end, $4\frac{1}{2}$ inches, 5 inches, $5\frac{1}{2}$ inches, $6\frac{1}{2}$ inches, $7\frac{1}{2}$ inches.
- B-1215 **Volkman's**, round and oval end, improved pattern, 5 inches, $6\frac{1}{2}$ inches, 8 inches.
- B-1220 **Volkman's**, double end, English pattern, 8 inches.



Bone Drills

- B-1250 **Brainard's**, set of 5 drills.
- *B-1251 **Brainard's**, set of 5 drills, with hollow handle for holding drills.
- B-1253 **Esmarch's**, plain.
- *B-1255 **Hamilton's**, with 6 drills, hollow handle for holding drills.
- B-1265 **Lane's**, set of 3 drills.
- B-1270 **Murphy's**, set of Medulla Reamers, 7¼ inches, complete with brace.
- B-1271 **Murphy's**, retractor guide.



Bone Drills

- *B-1273 **Richter's**, pistol grip, set of 6 drills with hollow handle for holding drills.
- B-1275 **Richter's**, pistol grip, set of 6 drills, with long shank for deep bone work and with chuck jaw.
- B-1280 **Stille's**, set of 3 drills, 4 burrs and 1 crown.
- B-1285 **Stille-Sherman's**, complete with 3 points.



Bone Cutting Forceps

- B-1300 **Liston's**, straight, $5\frac{3}{4}$ inches, $6\frac{3}{4}$ inches, $7\frac{3}{4}$ inches, $8\frac{3}{4}$ inches, 10 inches, 11 inches.
- *B-1305 **Liston's**, straight, with straight form of handle, $7\frac{3}{4}$ inches, $8\frac{3}{4}$ inches.
- B-1308 **Liston's**, curved on flat, $5\frac{3}{4}$ inches, $6\frac{3}{4}$ inches, $7\frac{3}{4}$ inches, $8\frac{3}{4}$ inches, 10 inches, 11 inches.
- B-1310 **Liston's**, curved on flat, with straight form of handle, $7\frac{3}{4}$ inches, $8\frac{3}{4}$ inches.
- *B-1312 **Liston's**, angular, 7 inches, $8\frac{3}{4}$ inches.
- B-1315 **Liston-Mayo's**, angular, 12 inches.
- *B-1320 **Liston-Issac's**, bayonet shape.
- *B-1325 **Liston's**, double jointed, very powerful.
- B-1330 **Horsley's**, double curved, 7 inches.
- *B-1332 **Horsley's**, straight, fine prismatic points, 7 inches.
- *B-1334 **Horsley's**, with crank bend, acute angle, fine prismatic points, $7\frac{3}{4}$ inches.
- *B-1336 **Horsley's**, with crank bend, fine prismatic points, 7 inches.
- *B-1338 **Horsley's**, with double bend, $10\frac{1}{2}$ inches.
- B-1340 **Horsley's**, with double bend, $7\frac{3}{4}$ inches, acute angle.
- *B-1345 **Satterlee's**.
- *B-1350 **Velpeaux's**, maxillary.



B-1360



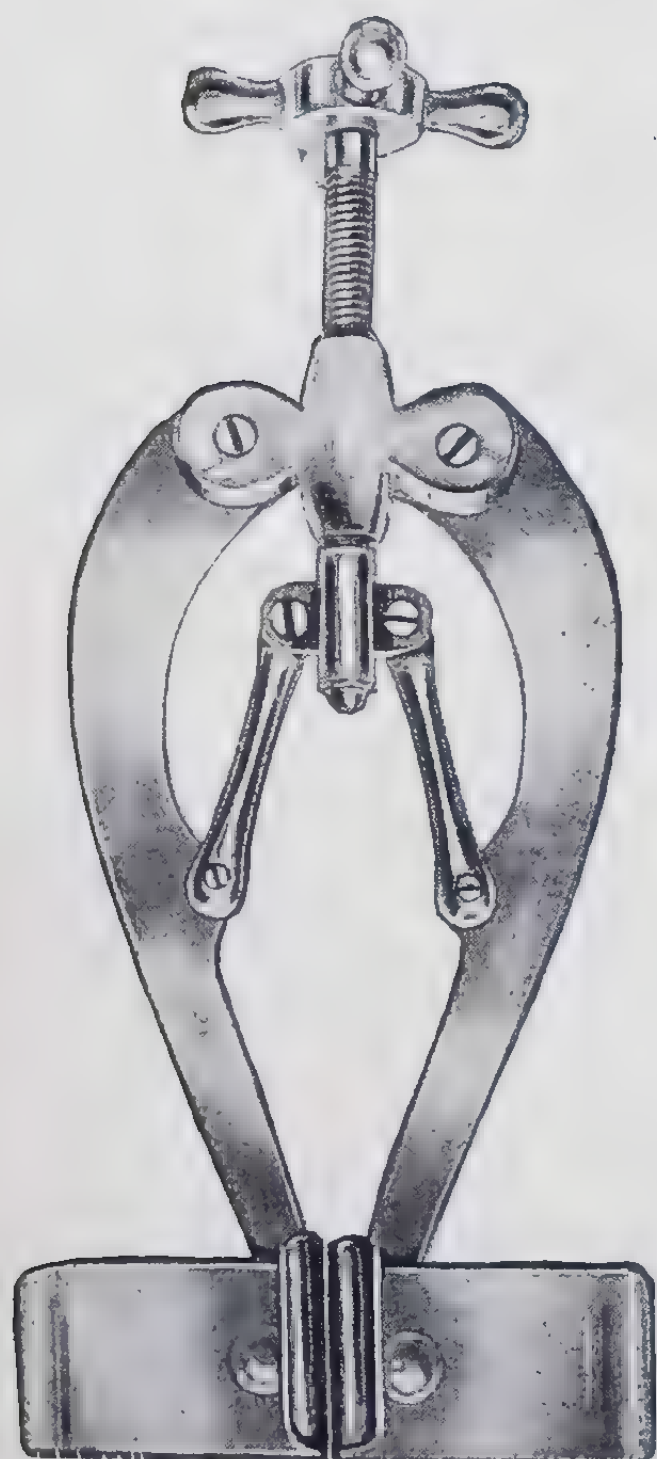
B-1364-1365



B-1369



B-1375



B-1388

Bone Shears, Rib, and Rib Spreaders

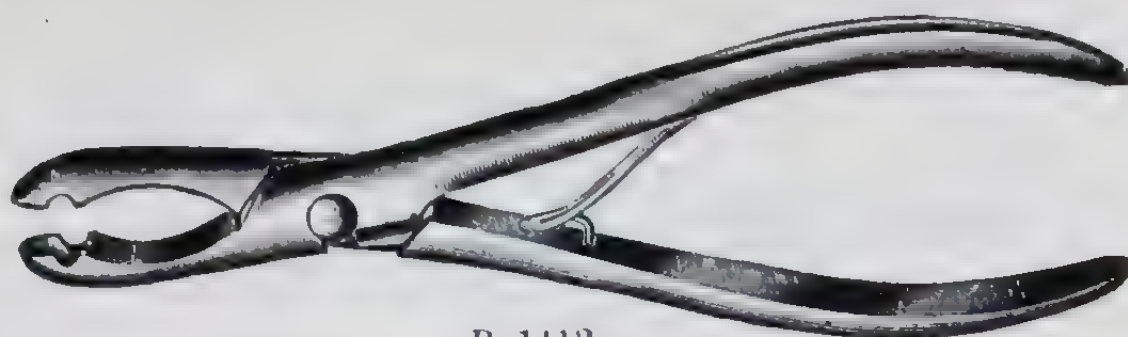
- B-1360 Collin's, rib.
- *B-1362 Doyon's, rib.
- B-1364 Gluck's, rib, small.
- B-1365 Gluck's, rib, large.
- *B-1367 Mathieu's, rib, full curved.
- B-1369 Plain, rib.
- *B-1371 Plain, rib, eccentric, with sliding blade.
- B-1375 Schoemaker's, rib.
- *B-1380 Stille's, rib.

Rib Spreaders

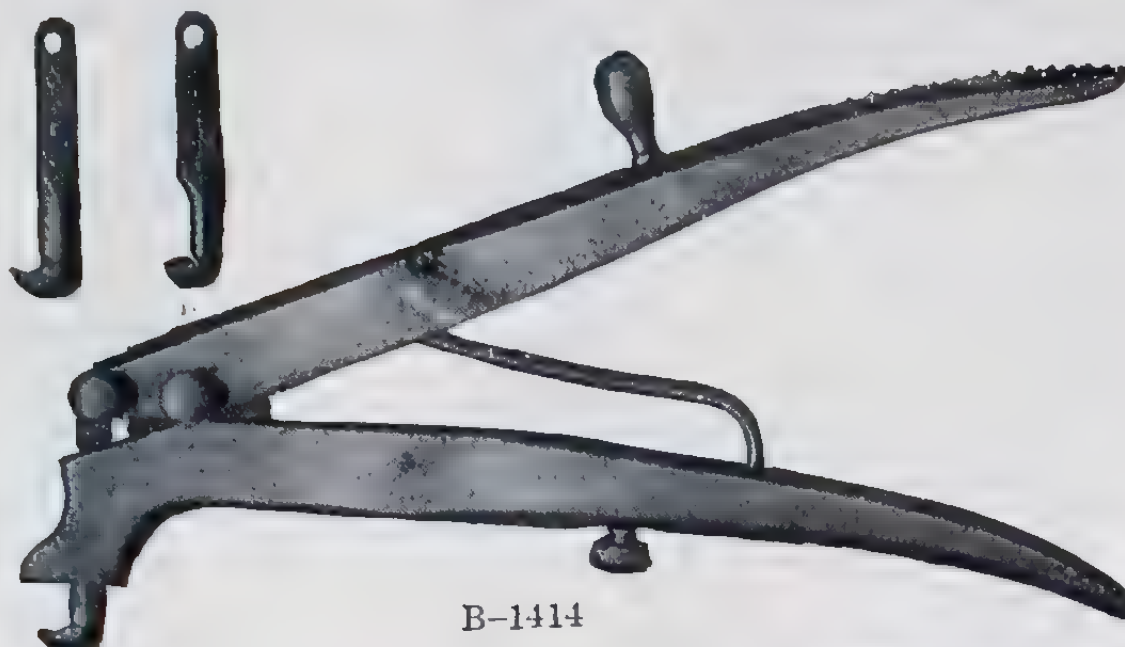
- *B-1385 Lilienthal's.
- B-1388 McGuire's.
- *B-1390 Mikulicz-Friederich's.
- *B-1395 Sauerbruck's.
- *B-1400 Tuffier's.



B-1410



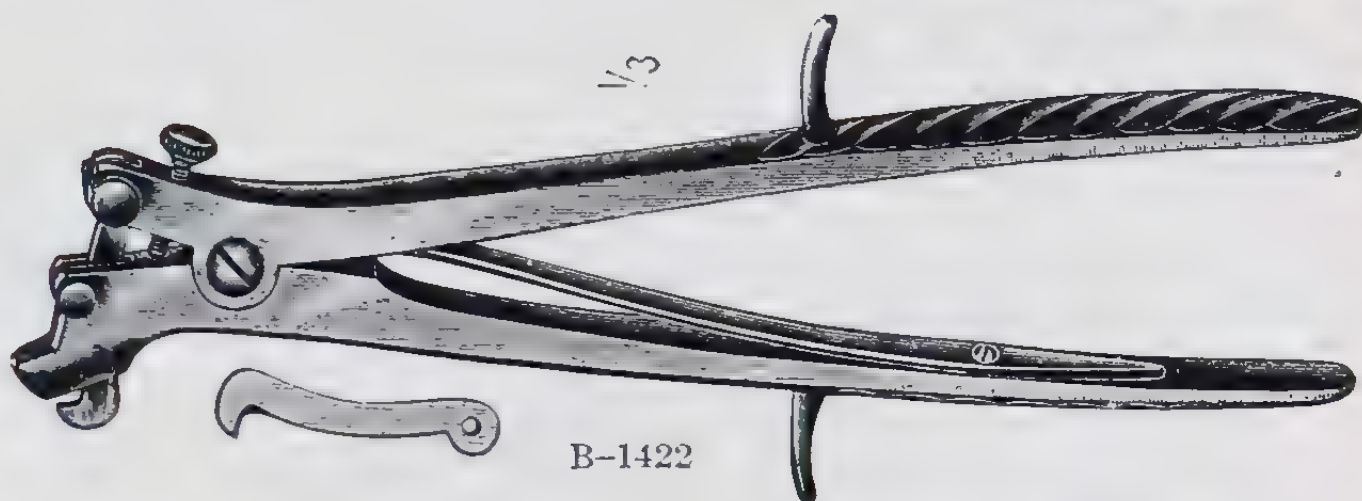
B-1412



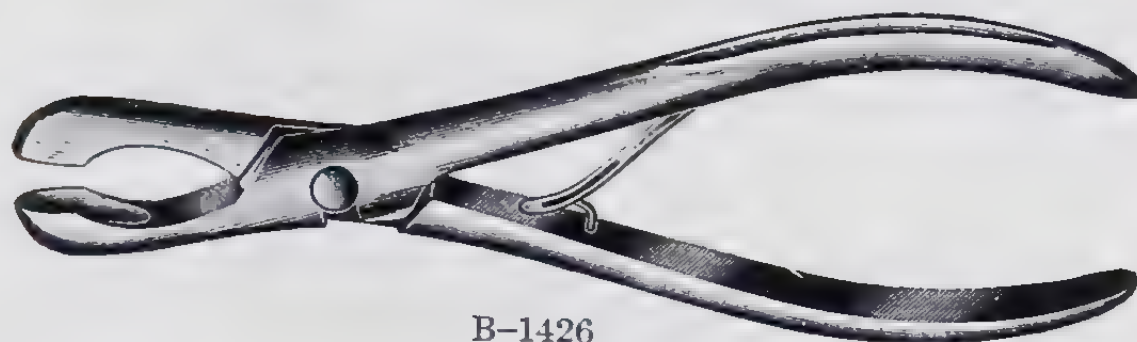
B-1414



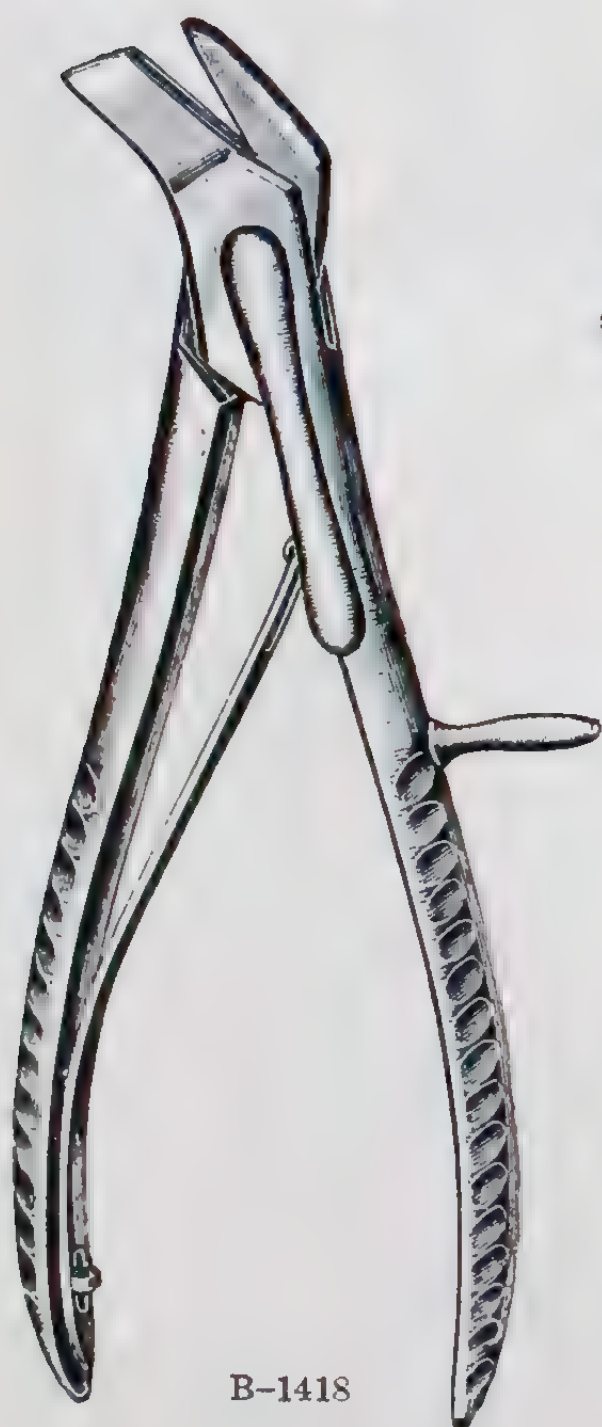
B-1416



B-1422



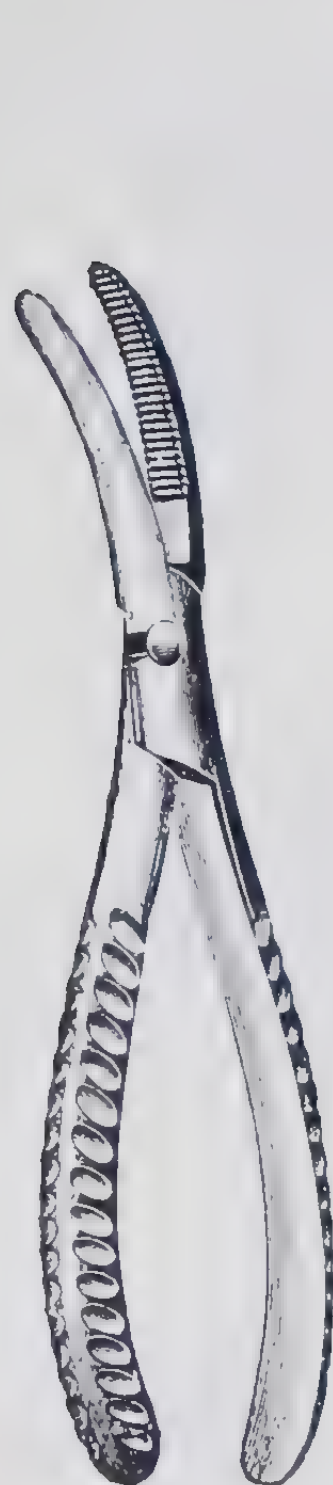
B-1426



B-1418

Bone Gouging Forceps

- B-1410 Dahlgren's, cranial, with 2 hooks.
- B-1412 Darby's.
- B-1414 DeVilbiss', cranial.
- B-1416 Doyen's, cranial.
- B-1418 Hoffman's, angular.
- *B-1420 Hopkin's, cranial and spinal.
- B-1422 Hudson's, cranial, with extra blade.
- *B-1424 Lombard's, bayonet shape.
- B-1426 Luer's, straight.
- *B-1428 Luer's, curved on flat.



B-1440



B-1445



B-1450



B-1460-1462

Bone Holding Forceps

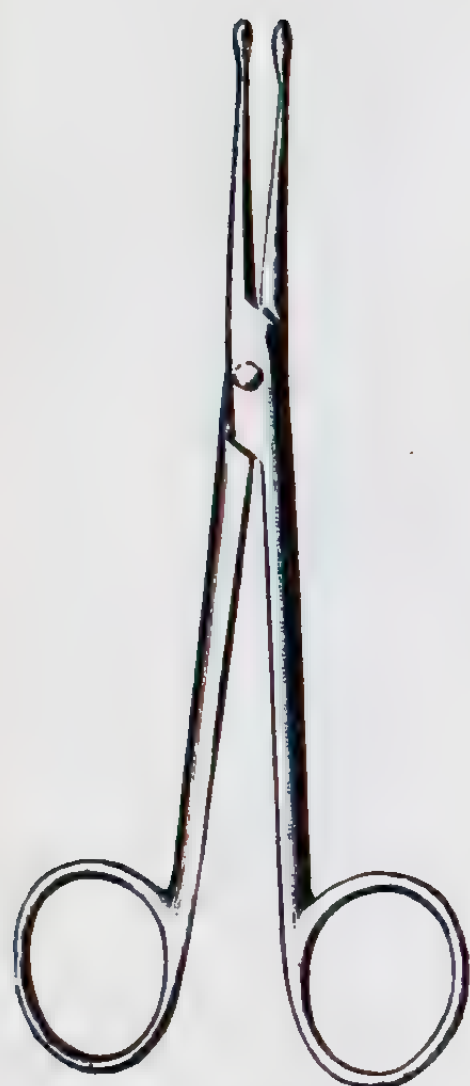
- B-1440 Plain Sequestrum Forceps, curved sideways.
- B-1445 **Farabeuf's**, double articulation.
- *B-1446 **Farabeuf-Lambotte's**, double articulation, with ratchet.
- B-1450 **Ferguson's**, lion jaw.
- *B-1455 **James'**, angular, for holding bone plate and bone at the same time.
- *B-1456 **James'**, straight, for holding bone plate and bone at same time.
- B-1460 **Lambotte's**, small, $8\frac{3}{4}$ inches.
- B-1461 **Lambotte's**, medium, $10\frac{3}{4}$ inches.
- B-1462 **Lambotte's**, large, $12\frac{3}{4}$ inches.



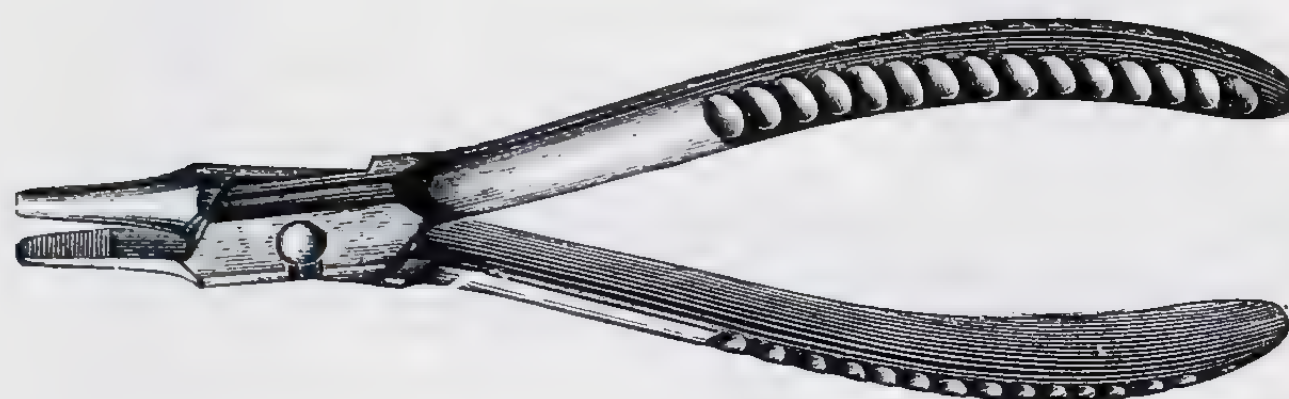
B-1465



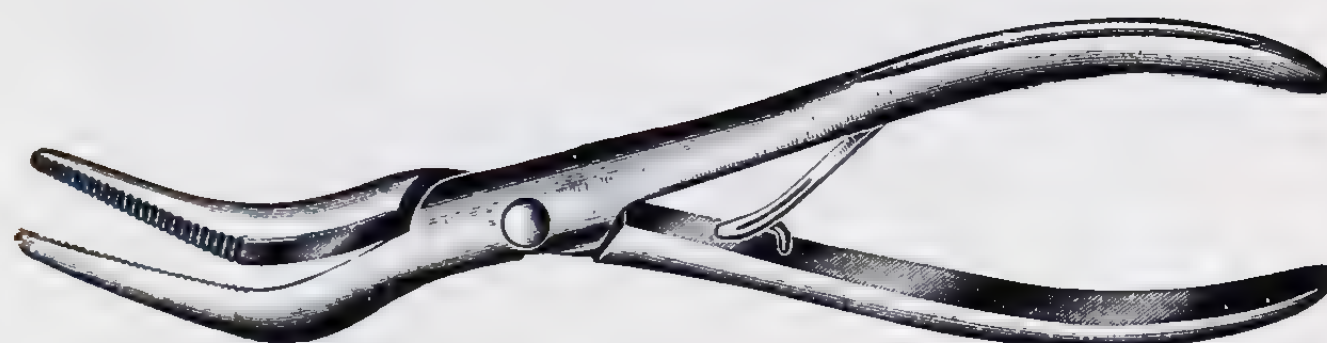
B-1467



B-1470



B-1480



B-1485

Bone Holding Forceps

B-1465 **Lane's**, original model, 12 inches.

B-1467 **Lane's**, improved model, 12 inches, 17½ inches.

B-1470 **Lister's**, spiculæ, for picking up bone fragments.

*B-1472 **Mathieu's**, straight, sequestrum.

*B-1474 **Mathieu's**, curved on edge, sequestrum.

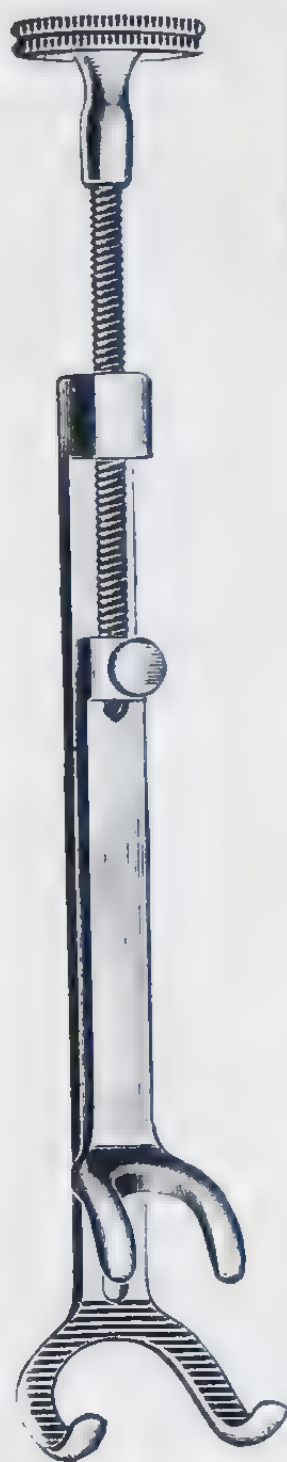
*B-1476 **Mathieu's**, angled on edge, sequestrum.

B-1480 **Post's**, toe nail.

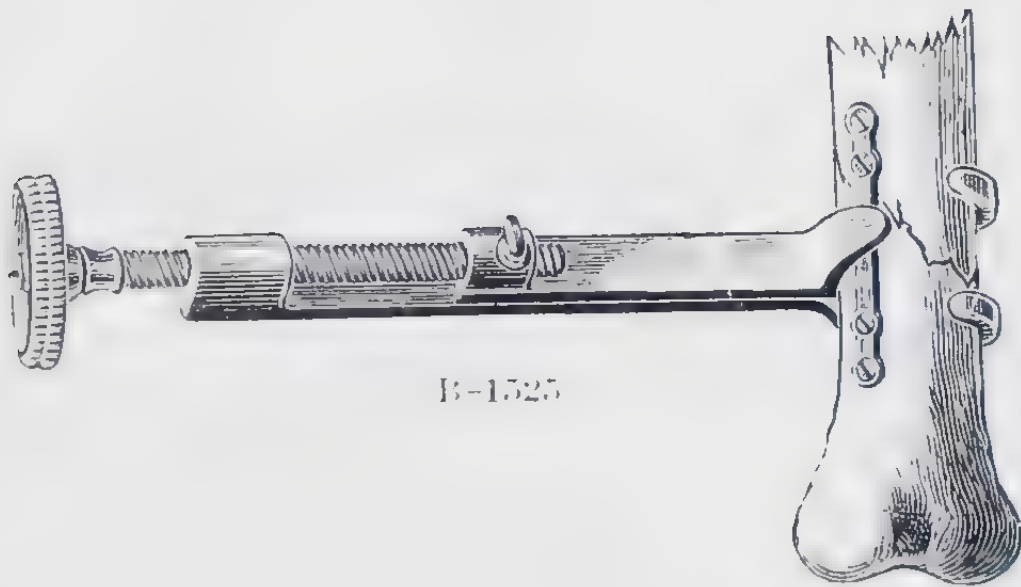
B-1485 **VanBuren's**, bayonet shape, sequestrum.



B-1500



B-1520



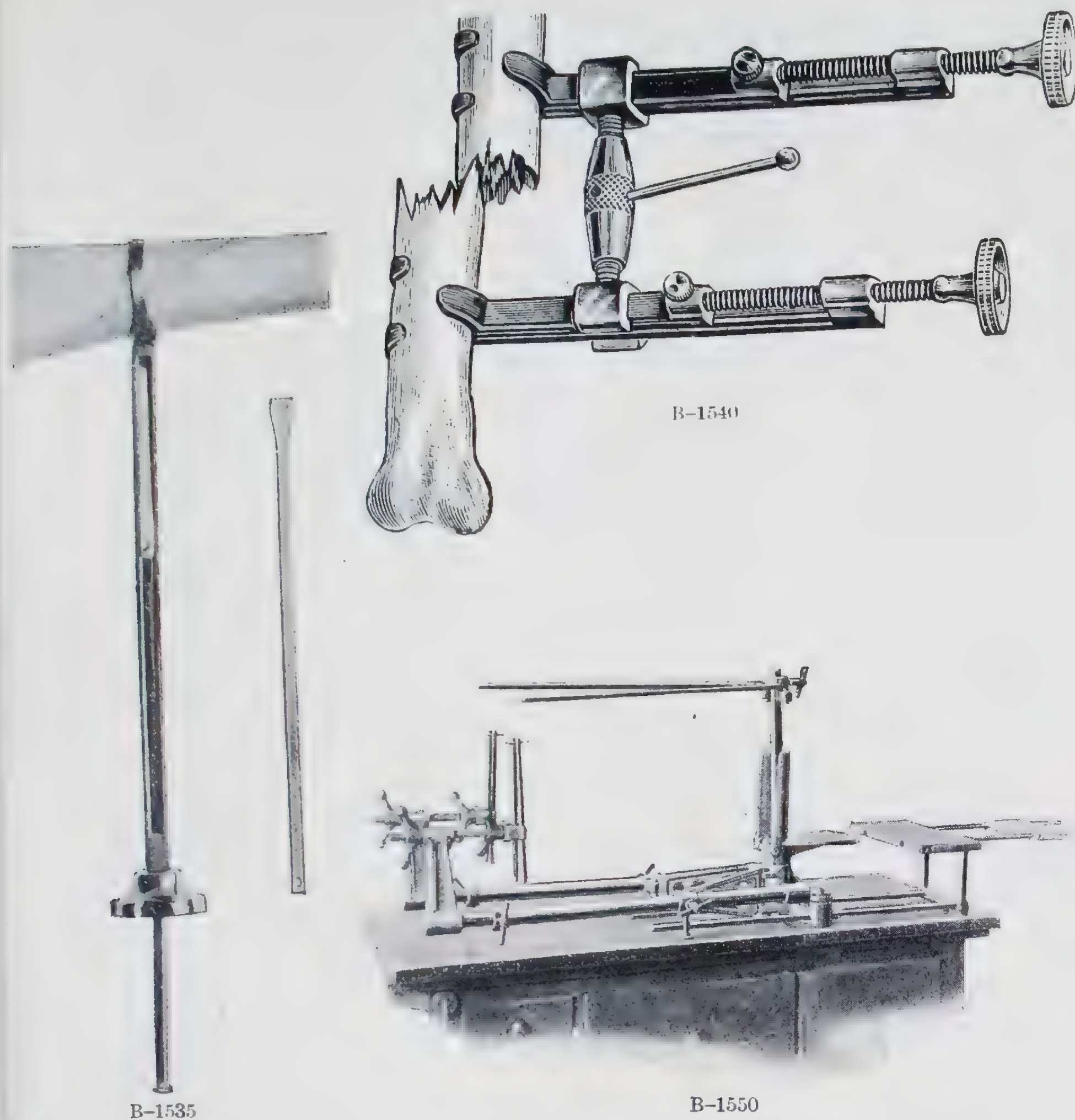
B-1525



B-1510

Bone Holding Clamps

- B-1500 Collin's Bone Fracture Clamp and Bands.
- *B-1505 Gerster-Lowman's Bone Holding Clamp.
- B-1510 Hawley's Bone Holding Clamp.
- B-1520 Lambert-Lowman's Bone Holding Clamp.
- B-1525 Lowman's Bone Holding Clamp.
- *B-1530 Magnusson's Bone Holding Clamp.



B-1535

B-1540

B-1550

Bone Holding Clamps

B-1535 Parham and Martin's Clamp and 2 bands.

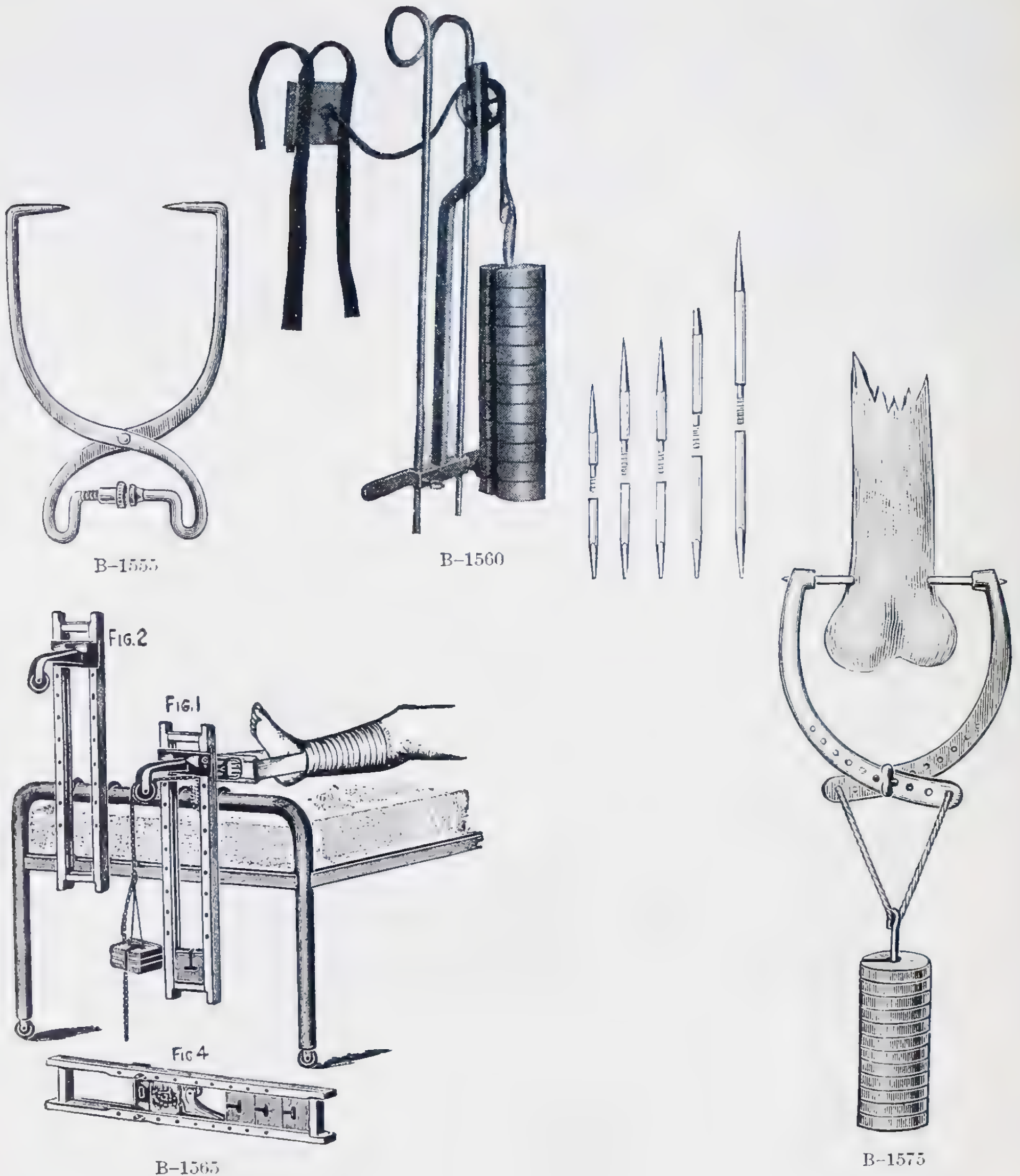
Bone Holder Turnbuckles

B-1540 Gerster's Turnbuckle.

*B-1545 Haslam's Turnbuckle.

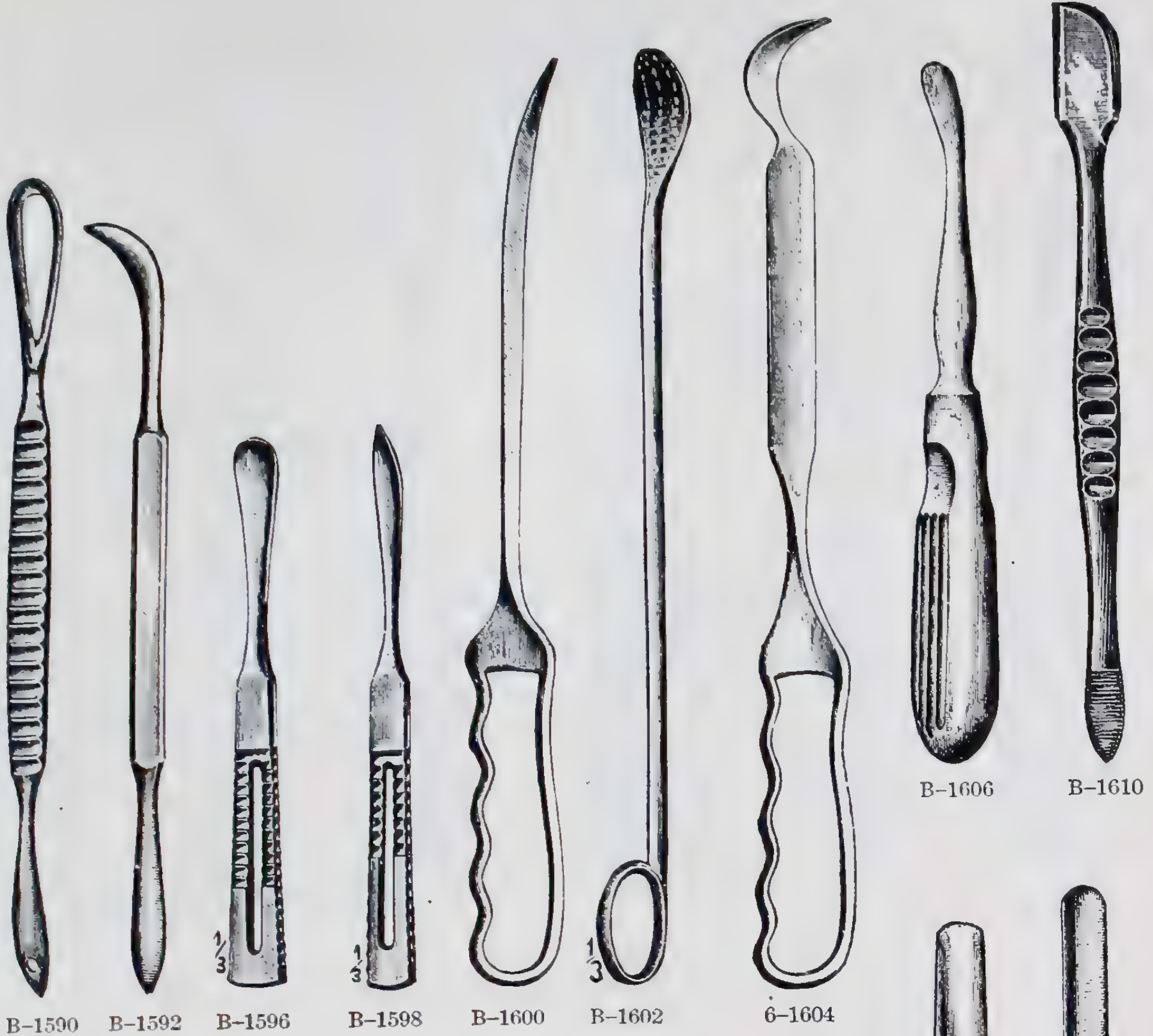
Bone Traction Apparatus

B-1550 Echols' Traction Apparatus, latest improvement, for attachment to table.



Bone Traction and Extension Apparatus

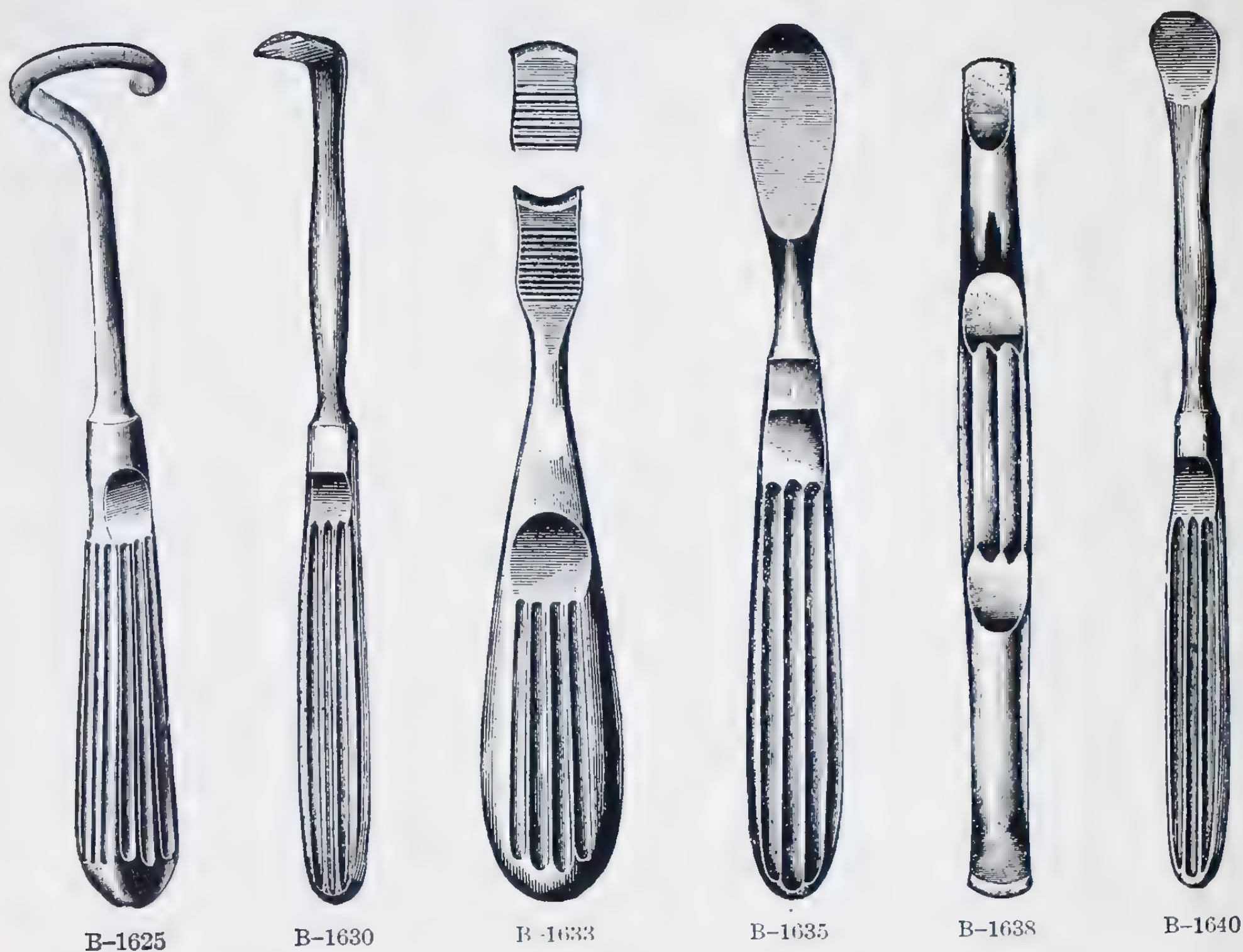
- B-1555 **Edmonton's** Extension Tongs with rope.
- B-1560 **Frazier's** Extension Apparatus, including weights.
- B-1565 **Gorham's** Extension Apparatus, complete.
- *B-1570 **Levis'** Extension Apparatus, complete.
- B-1575 **Steinmann's** Extension Apparatus, with 5 jointed steel needles and weights.



Pereosteal Elevators

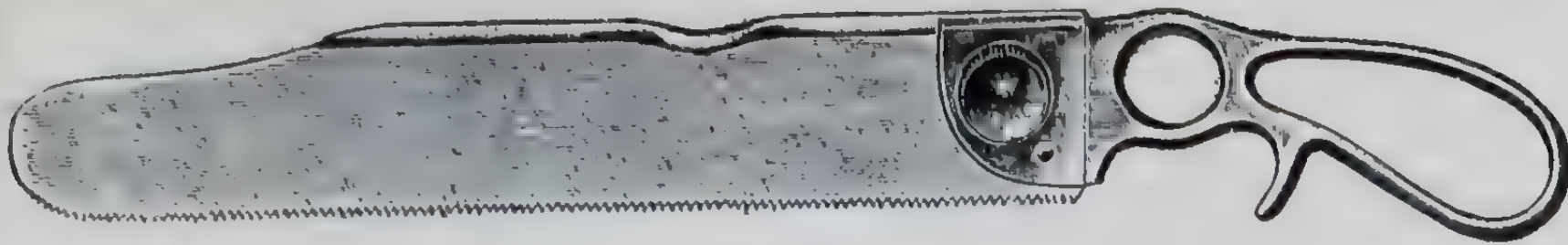
- B-1590 **Adams' Dry Dissector**, double.
- B-1592 **Allis' Dry Dissector**.
- *B-1594 **Durham's**, double ended, elevator and dissector.
- B-1596 **Lane's Detacher or Elevator**, broad.
- B-1598 **Lane's Detacher or Elevator**, narrow.
- B-1600 **Lane's Detacher and Dissector**, sharp pointed.
- B-1602 **Lane's Elevator and Retractor**, ring handle.
- B-1604 **Lane's Elevator and Retractor**, improved.
- B-1606 **Massachusetts General Hospital Pattern**.
- B-1610 **Plain**, with raspatory.
- B-1615 **Sayre's**, double ended, blunt.
- B-1620 **Watson-Cheyne's** double-ended, dissector.





Raspatories

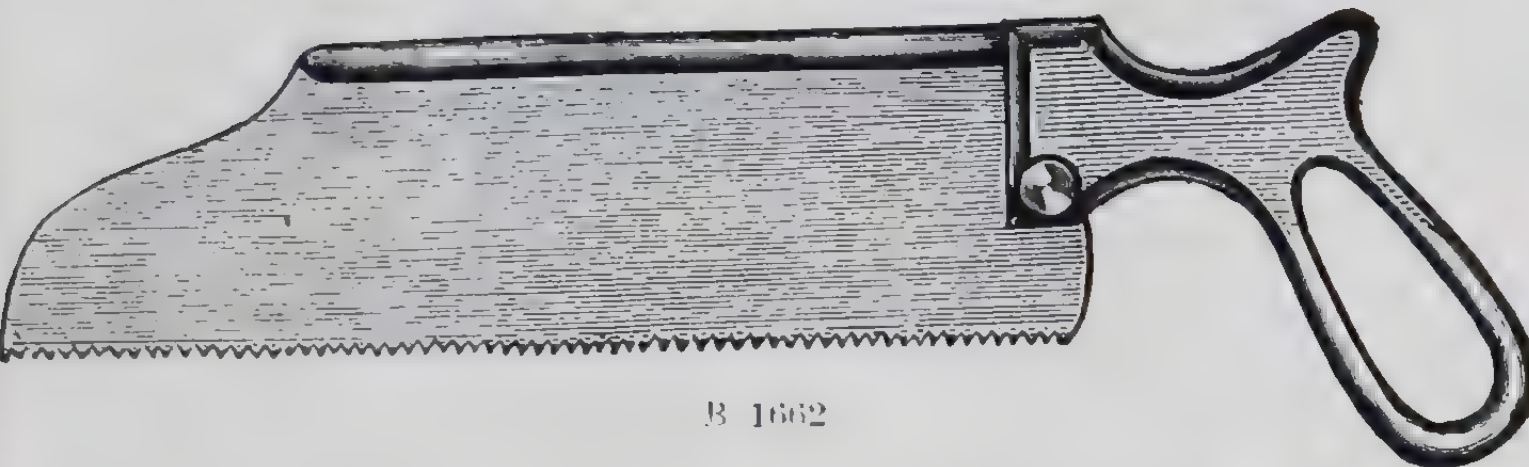
- B-1625 **Doyen's**, for costal periosteum.
- *B-1627 **Friedrich's**, for costal periosteum, 3 sizes.
- B-1630 **Langenbeck's**, angular bent.
- *B-1631 **Langenbeck's**, hook shape.
- B-1633 **Mathieu's**, straight, convex, concave.
- B-1635 **Ollier's**, round.
- *B-1636 **Ollier's**, knife shape.
- B-1638 **Sayre's**, double ended, sharp.
- B-1640 **Sedillot's**.



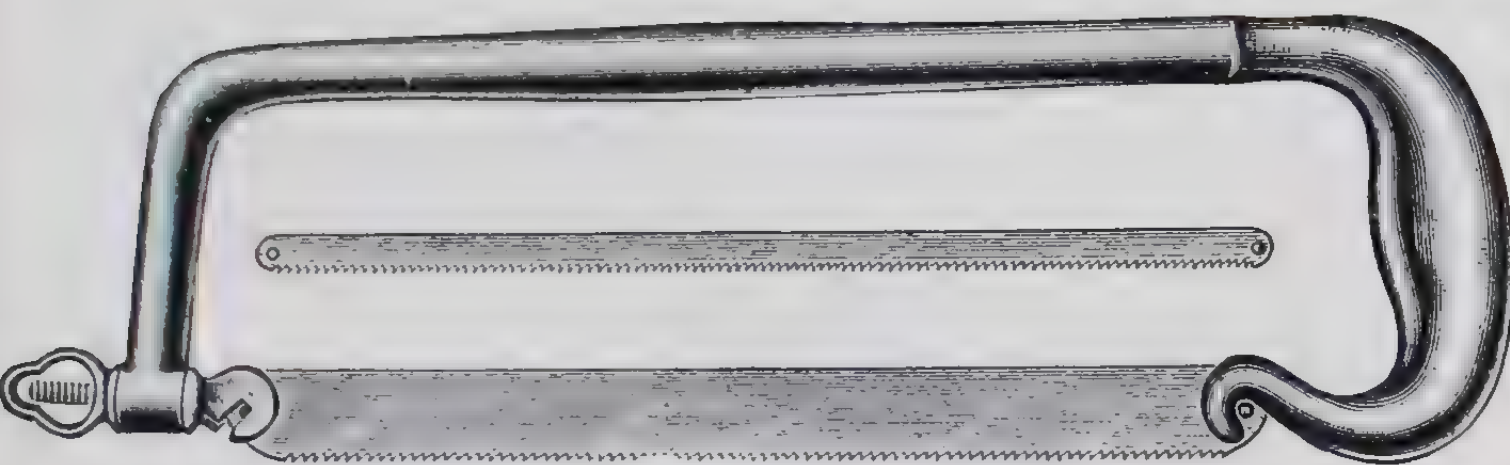
B-1650



B-1655



B-1662



B-1664



B-1668

Capital Saws

- B-1650 Charriere's, 6 inches, 7 inches, 8 inches, 9½ inches.
- B-1655 Charriere's, bow, with 2 blades.
- *B-1660 Parker's.
- *B-1661 Reiner's, bow, American pattern.
- B-1662 Satterlee's.
- B-1664 U. S. Army Bow Saw.

Chain Saws

- *B-1666 Jeffrey's.

Metacarpal Saws

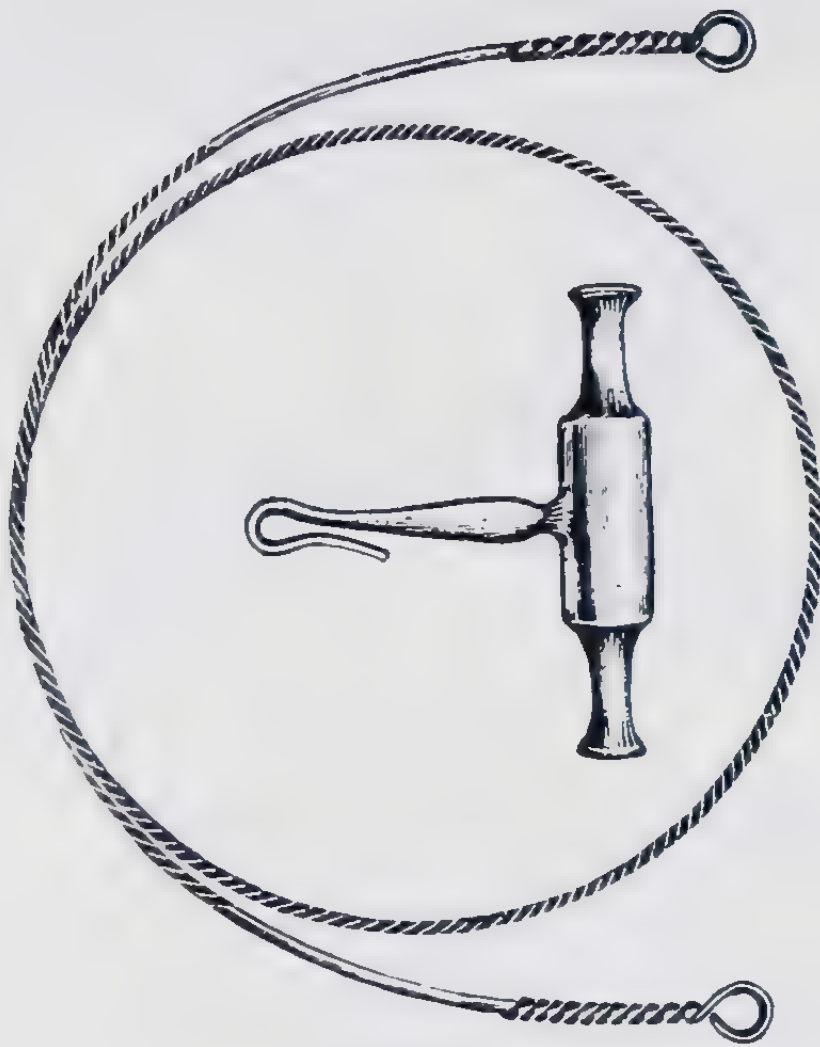
- B-1668 Langenbeck's, plain.
- *B-1670 Lente's, exsection, subcutaneous.

Skull Saws

- *B-1675 Doyen's, with guard.
- B-1677 Hey's.



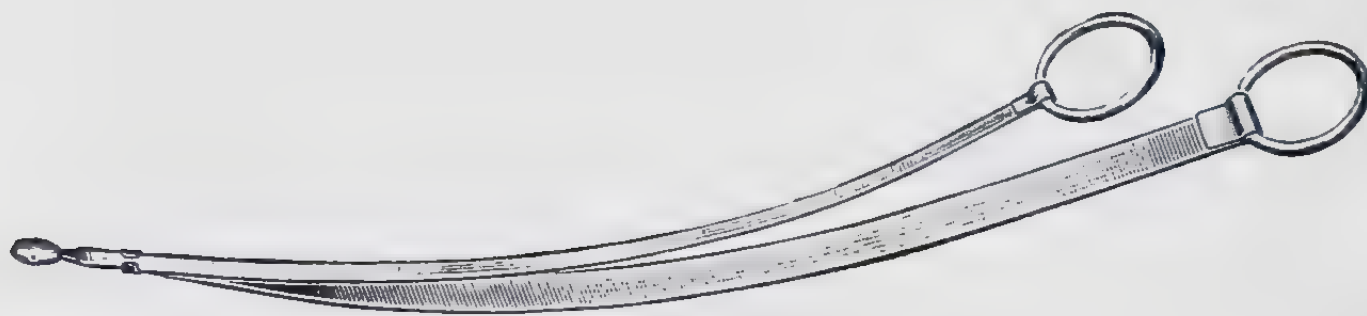
B-1677



B-1680-1683



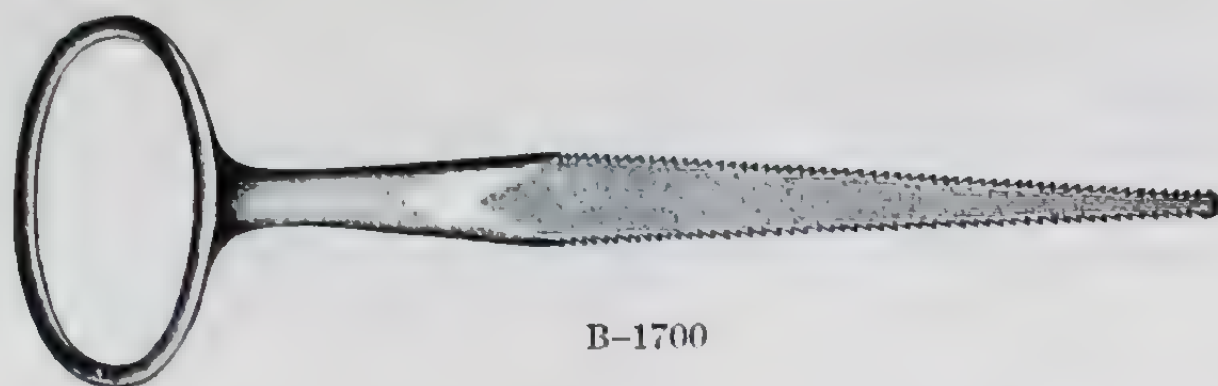
B-1685



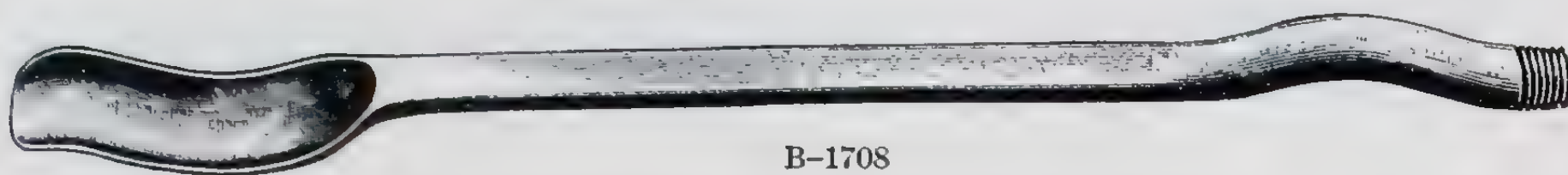
B-1690

Wire Saws and Handles

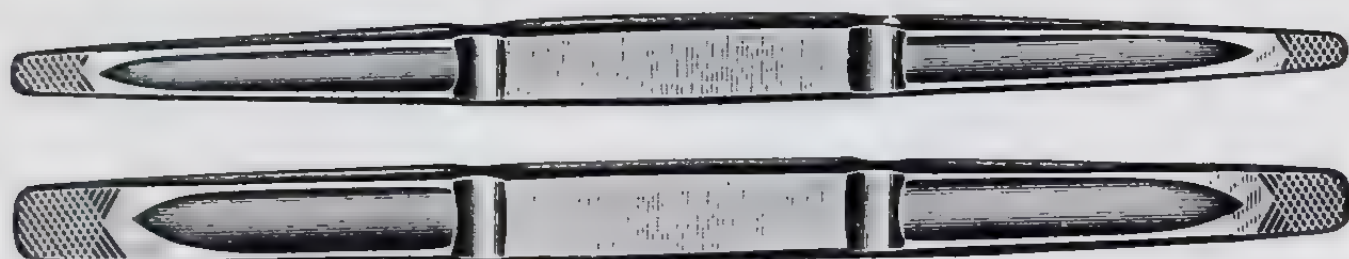
- B-1680 Gigli's, 12 inches.
- B-1681 Gigli's, 20 inches.
- B-1682 Gigli's, 30 inches.
- B-1683 Handles, fine.
- B-1685 Handles, plain.
- B-1690 Wire Saw Carrier, **Schaefer's**, cranial.



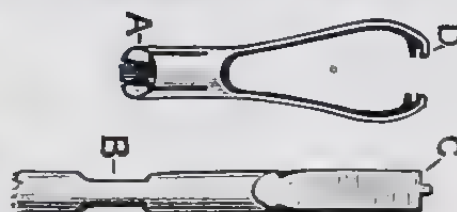
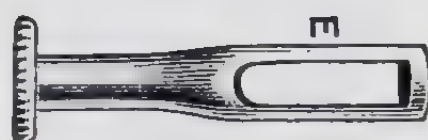
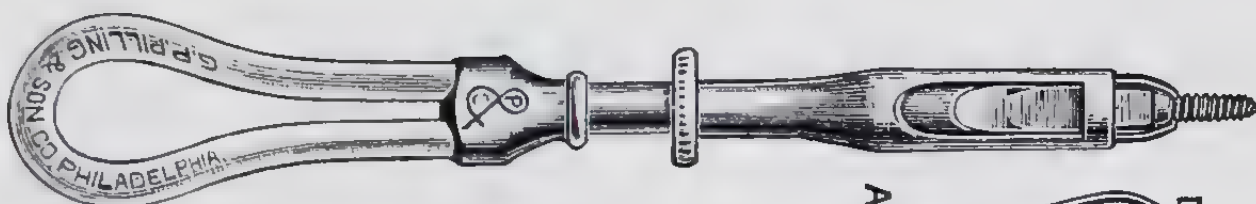
B-1700



B-1708



B-1710



B-1721-1723



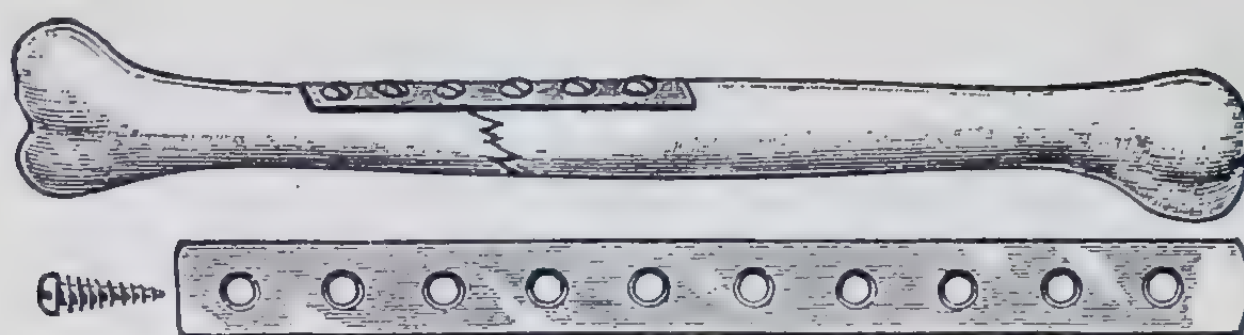
B-1717



B-1725

Bone Elevators, etc.

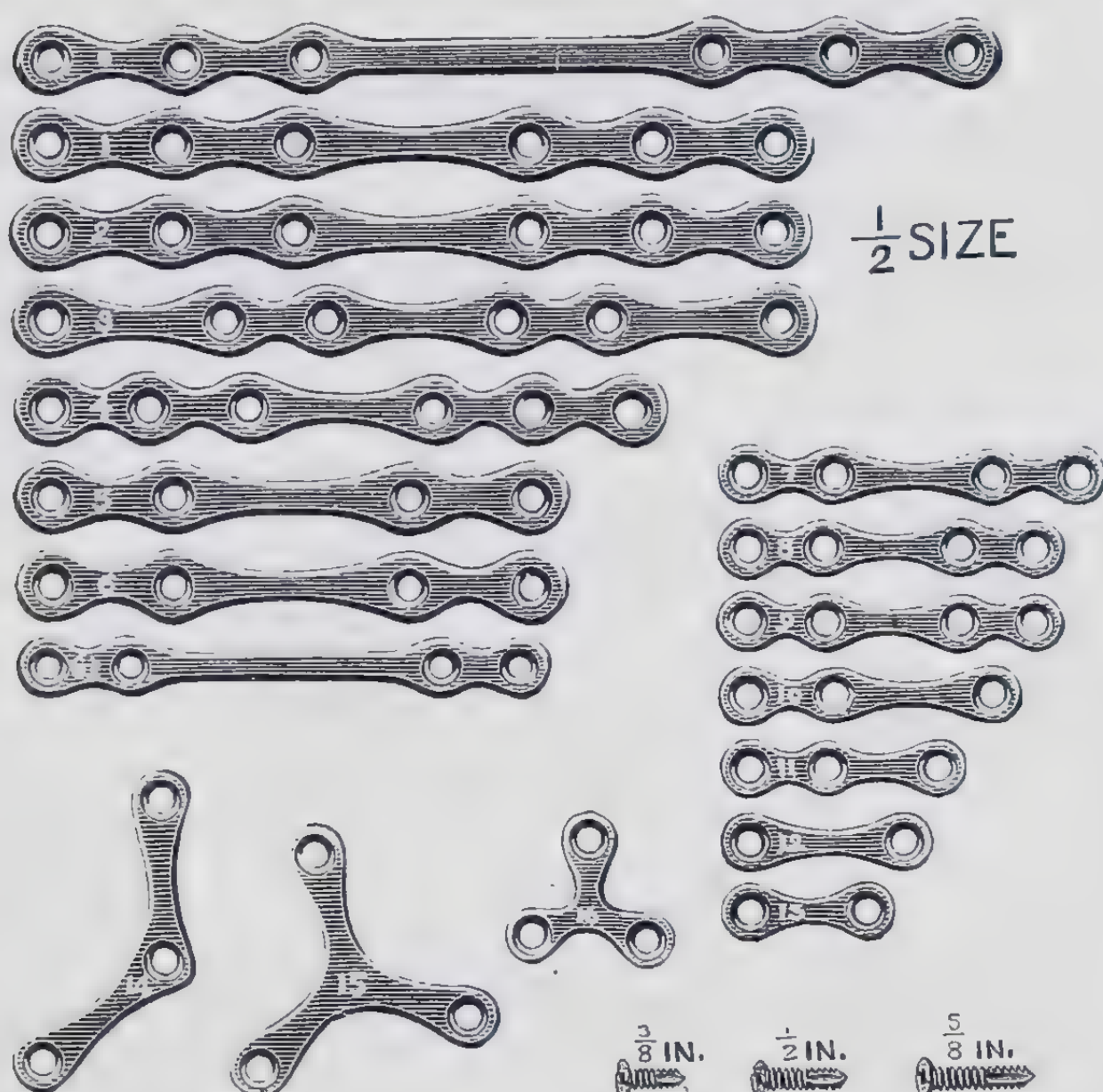
- B-1700 Bone Extension Instrument, **Lane's**.
- *B-1702 Bone Plate Holding Forceps, **Lane's**.
- B-1705 Bone Screw Holding Forceps, **Lane's**, 7½ inches.
- B-1708 Bone Skid, **Murphy's**, double ended.
- B-1710 Bone Skid, **Scudder's**, broad and narrow.
- *B-1715 Screw Driver, **Anderson's**, to hold and drive the screw.
- B-1717 Screw Driver, **Lane's**, solid octagon handle, heavy.
- *B-1719 Screw Driver, **Lentz's**, to hold and drive the screw.
- B-1721 Screw Driver, **Sherman's**, latest pattern (with pin C).
- B-1723 Screw Driver, **Sherman's**, latest pattern (without pin C).
- B-1725 Wrench, **Lane's**, for bending bone plates.
- *B-1727 Silver Wire for wiring bones, B & S Gauge, No. 14, No. 16, No. 18, No. 20.



B-1726



B 1730-1731



B-1734

B-1745

B-1737

Bone Plates

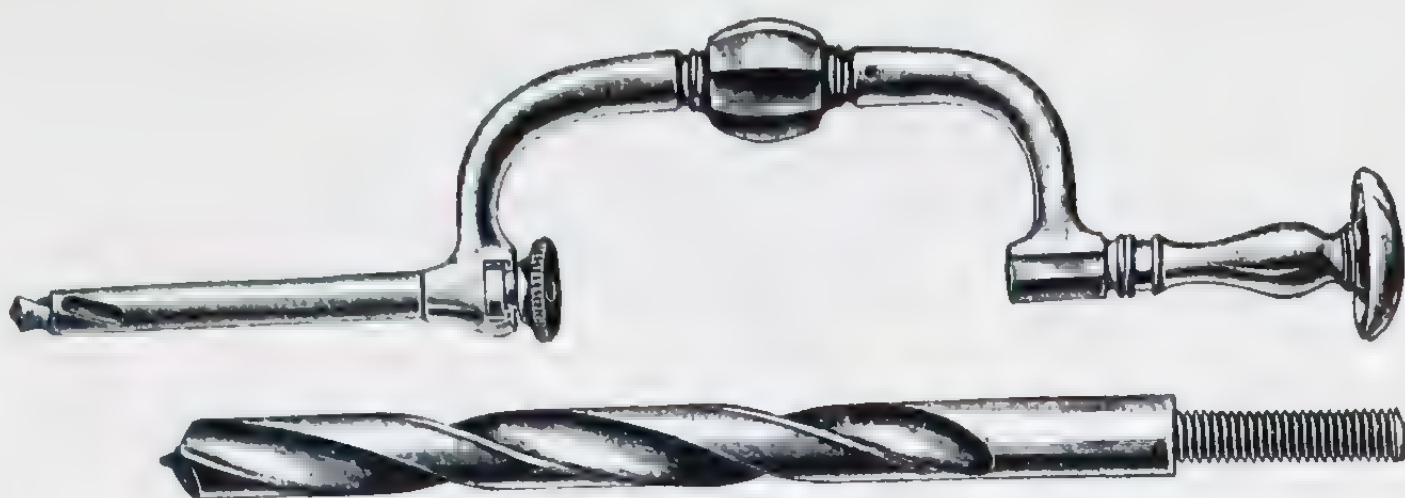
- B-1726 **Martin's**, silver, $\frac{1}{2}$ x 2 inches, $\frac{1}{2}$ x 3 inches, $\frac{5}{8}$ x $2\frac{1}{2}$ inches, $\frac{5}{8}$ x $3\frac{1}{2}$ inches, $\frac{11}{16}$ x 3 inches, $\frac{11}{16}$ x 4 inches
 B-1730 **Mayo's**, silver-plated, 12 inches.
 B-1731 **Mayo's**, German silver, 12 inches.
 B-1734 **Sherman's**, blued vanadium steel, Nos. 0 to 16, illustration shows plates half size.

Bone Nails, Screws and Spikes

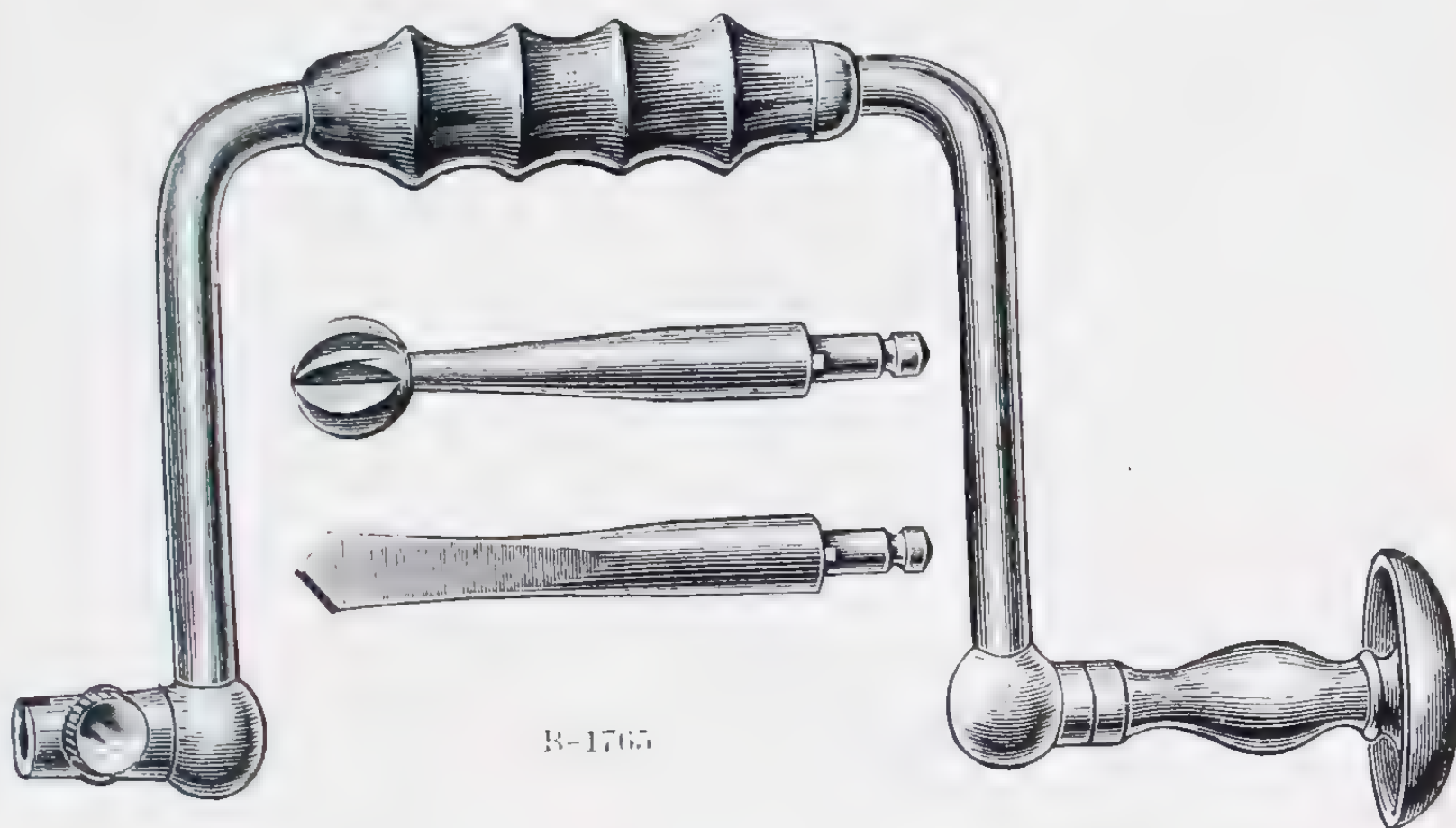
- *B-1735 Bone Nails, ivory.
 B-1737 Bone Nails, steel.
 *B-1739 Bone Screws, **Lambotte's**, gold-plated, 8 sizes.
 *B-1741 Bone Screws, **Lane's**, silver-plated, Nos. 3, 5, and 7, $\frac{1}{2}$ and $\frac{5}{8}$ inches.
 *B-1743 Bone Screws, **Mayo's**, sterling silver, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inches.
 B-1745 Bone Screws, **Sherman's**, Vanadium steel, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{5}{8}$ inches.
 *B-1747 Bone Screws, **Wood's**, Vanadium steel, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{5}{8}$ inches.



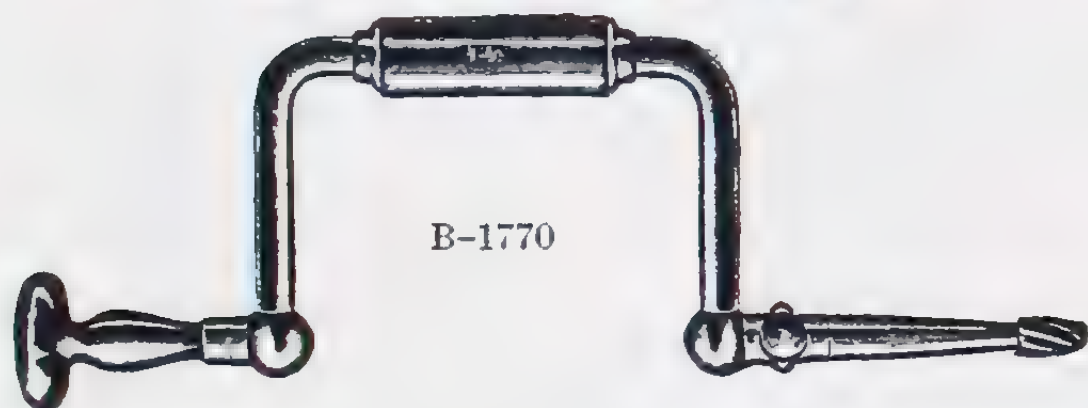
B-1755



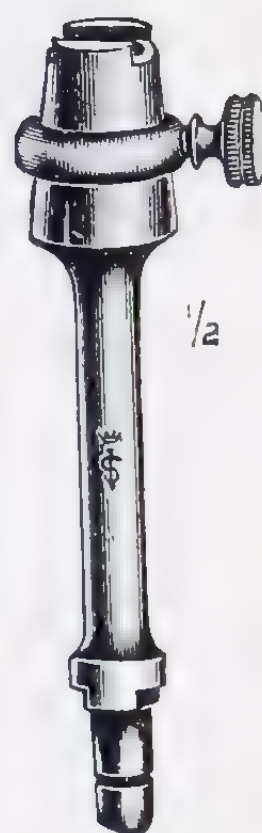
B-1760



B-1765



B-1770



$\frac{1}{2}$

B-1772

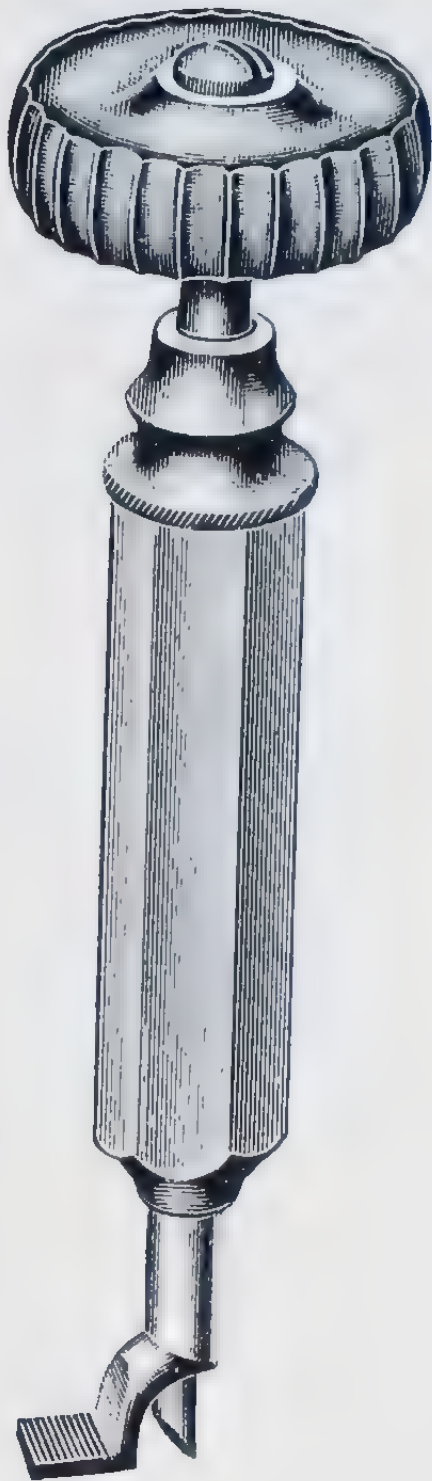
Bone Instruments—Cranial

- B-1755 Chisel, **Doyen's**, cranial.
- B-1760 Drill, **Carr's**, cranial.
- B-1765 Drill, **Cushing's**, cranial set, complete.
- B-1770 Drill, **Hudson's**, set of 4 cranial burrs and brace.
- *B-1771 Hard wood case for above.
- B-1772 Cerebellar attachment for above, **Hudson's**.

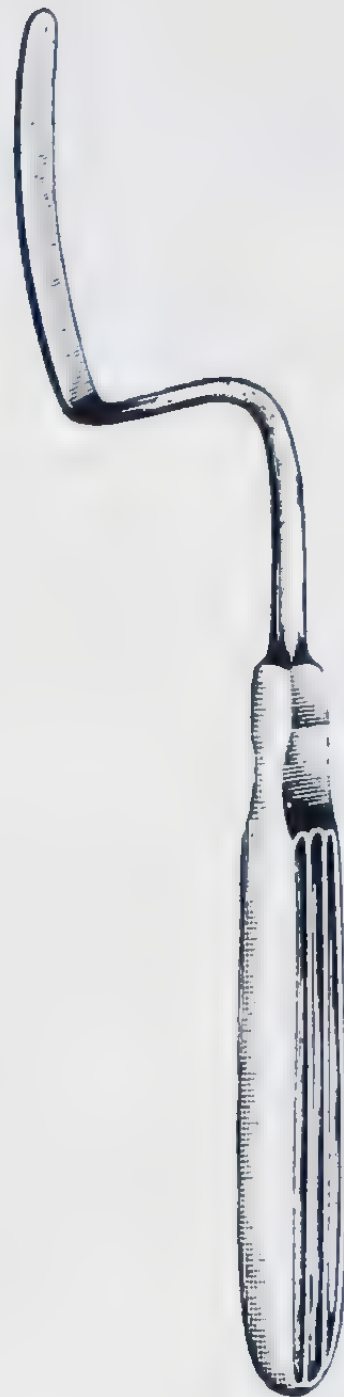


B-1775

B-1776



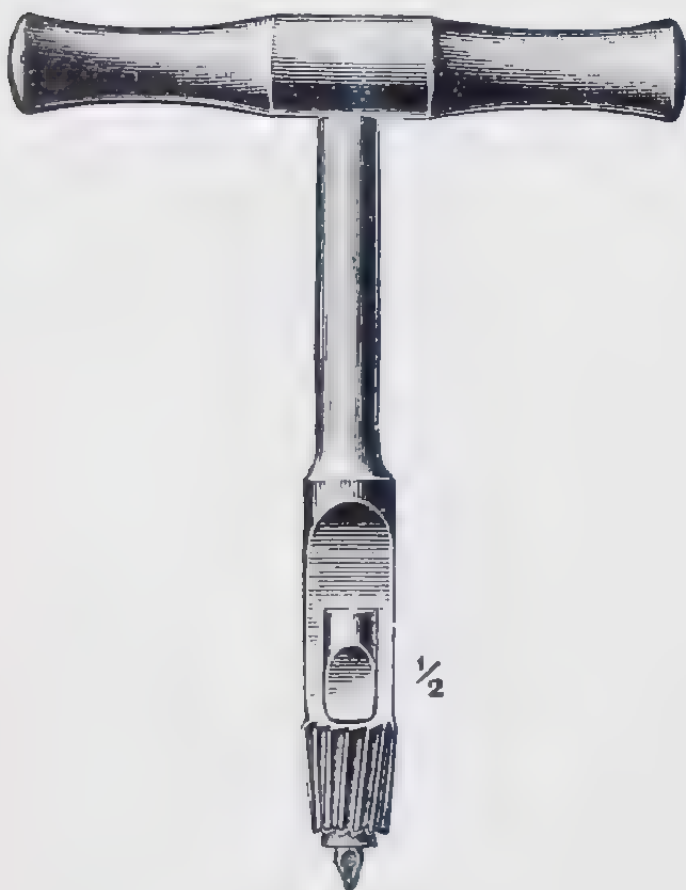
B-1778



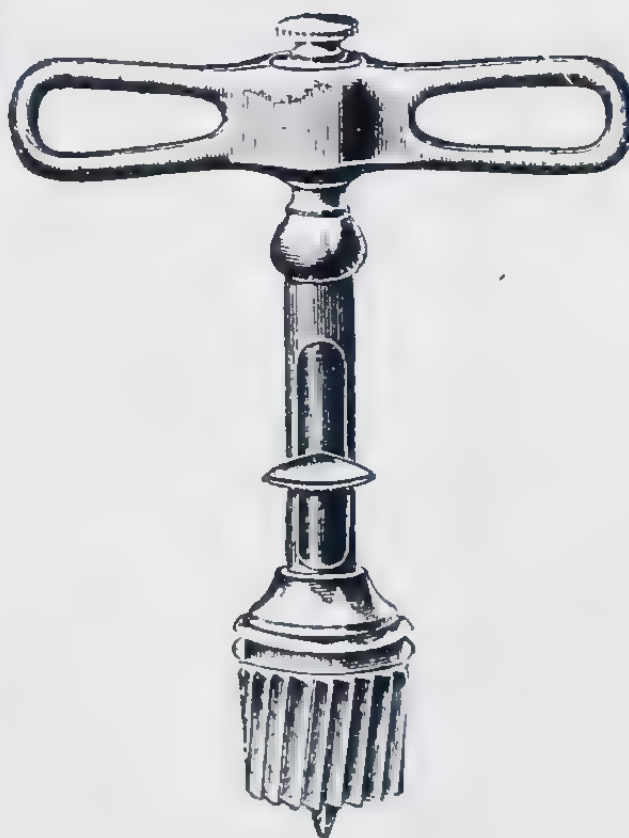
B-1780



B-1782



B-1785



B-1787



B-1790

Bone Instruments—Cranial

- B-1775 Elevator, **Hudson's**, double ended.
- B-1776 Elevator, **Hudson's**, double ended, with saw carrier.
- B-1778 Elevator, **Martel's**.
- B-1780 Protector, **Alexandre's**, dura.
- B-1782 Spatula, **Cushing's**, 6 $\frac{3}{4}$ inches, 7 $\frac{3}{4}$ inches, 11 inches.
- B-1785 Trephine, **DeVilbiss'**.
- B-1787 Trephine, **Galt's**, 3 sizes.
- B-1790 Trephine, **Robert's**, 3 sizes.



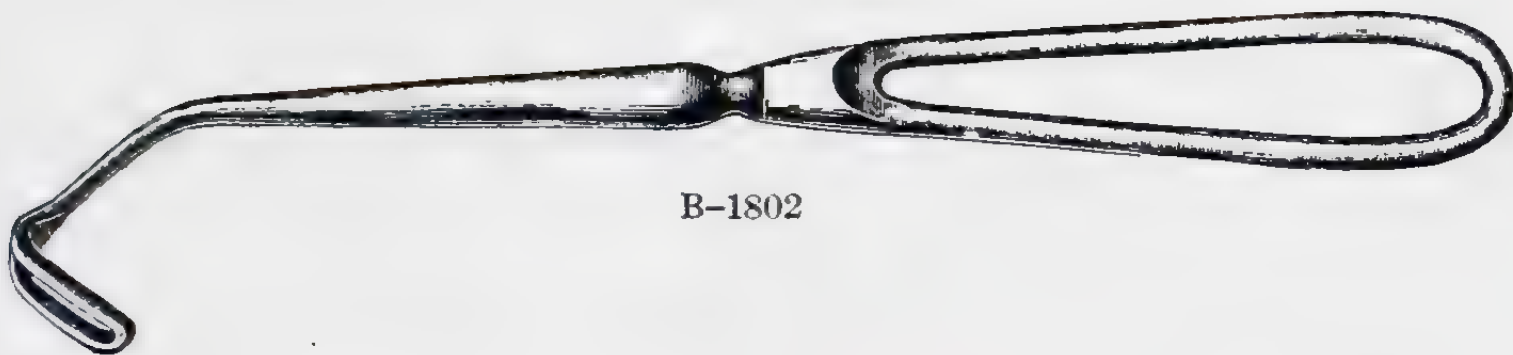
B-1800



B-1806



B-1808



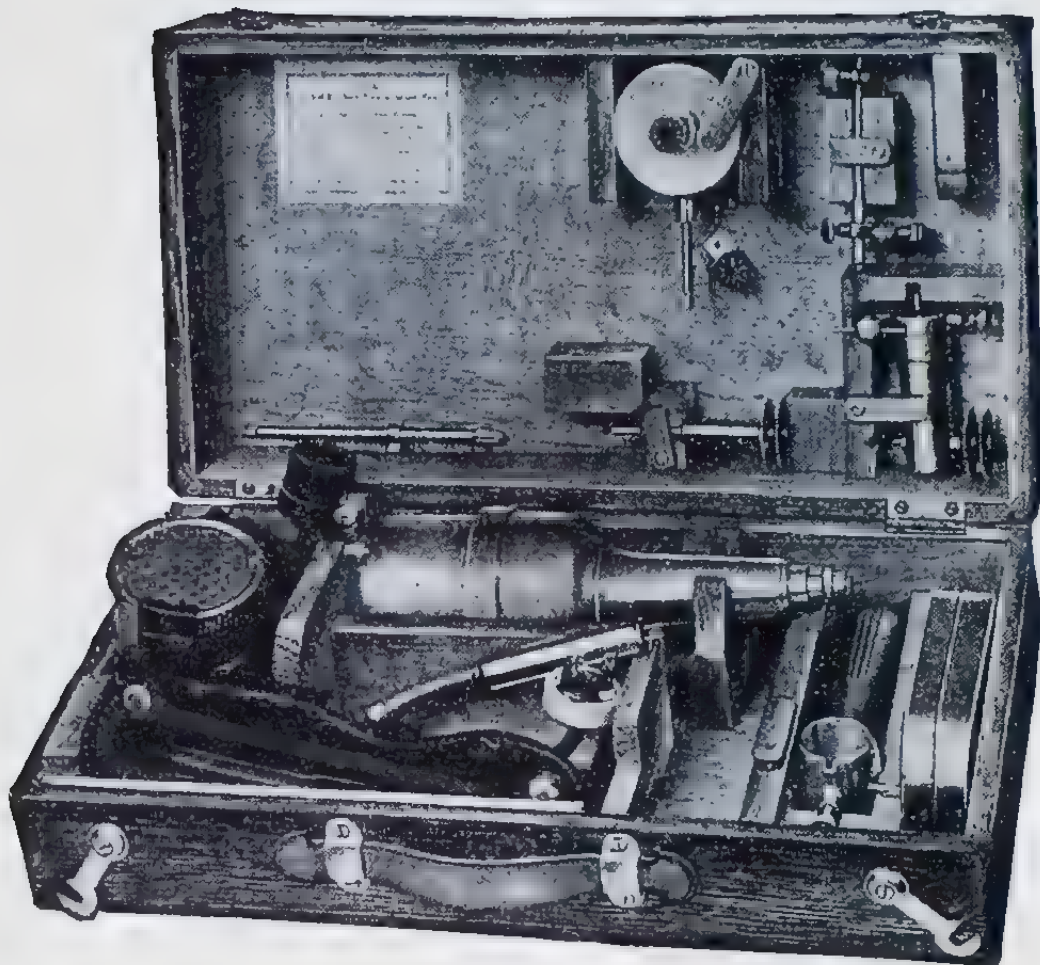
B-1802



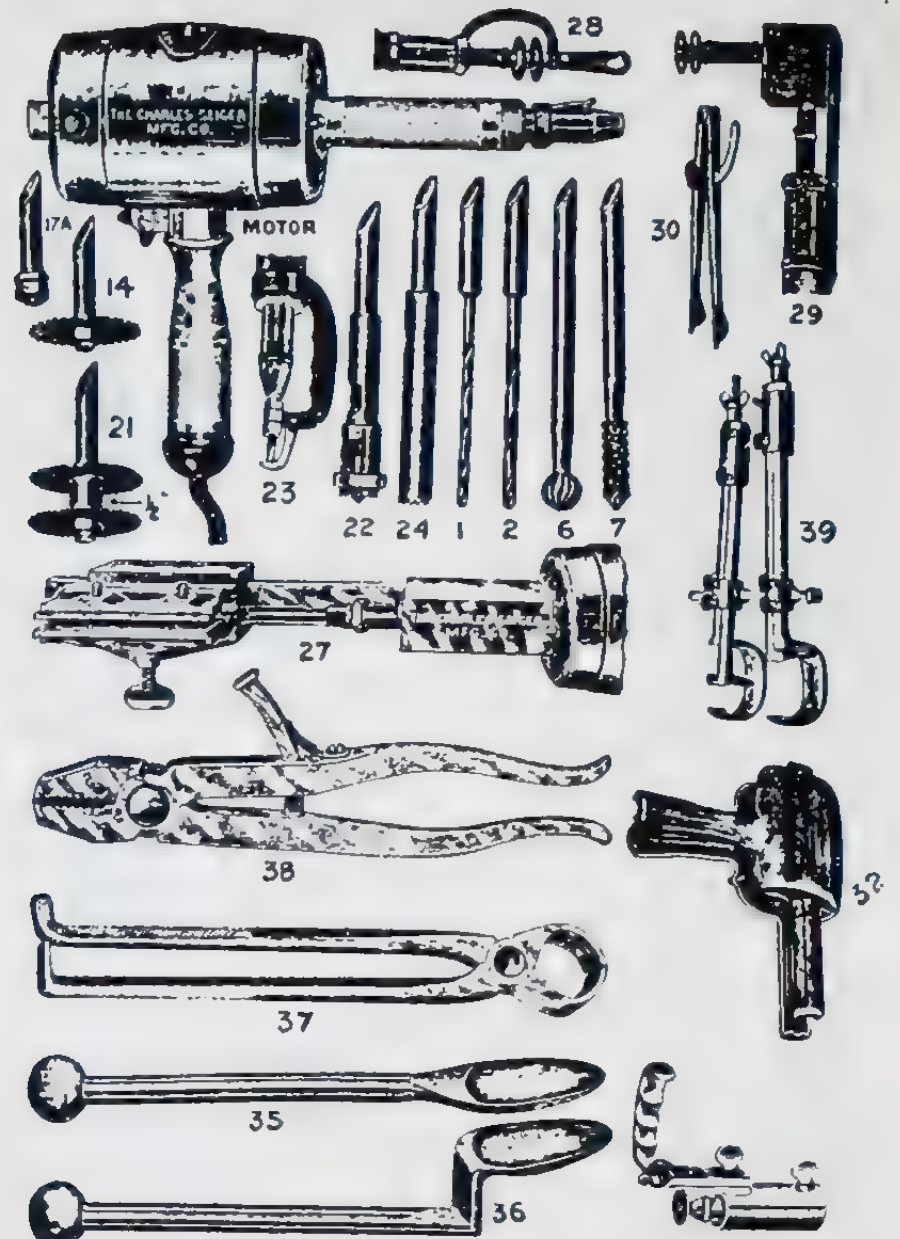
B-1804

Cranial Instruments

- B-1800 Carr's Cranial haemostat.
- B-1802 Cushing's Brain Retractor, decompression.
- B-1804 Cushing's Vein Retractor.
- B-1806 Hoeve's Cranial Haemostat.
- B-1808 Sargent's Cranial Haemostat or Flap Forceps.



B-1865



B-1890

Electro Operative Bone Engines

*B-1850 **Albee's Electro Operative Bone Set**, in case, comprising Universal motor, cords, aseptic shell and guide handle, bone reamer, saw with 1 mandrel and 8 gauges, spanner, wrench, foot speed controllers, long twist drill, sterilizer case for drills, burrs and single saw.

Albee's Additional Special Instruments

- *B-1855 Adjustable Spray Guard.
- *B-1856 **Albee's Twin Saw.**
- *B-1857 **Albee's, Angular Saw.**
- *B-1858 **Albee's Dowel Shaper.**
- *B-1859 **Albee's extra long Taper Burr Fraise**, for femur.
- *B-1860 **Albee's extra small Saw** for cross cut.
- B-1865 **Albee's Complete Set**, comprising all instruments listed above, in case.
- *B-1870 **Albee's Revolving Osteotome.**
- *B-1871 **Albee's broad thin Osteotome.**
- *B-1872 **Albee's Caliper**, inside.
- *B-1873 **Albee's Caliper**, outside.
- *B-1874 **Albee's Bone Gauge**, triangular.
- *B-1875 **Albee's Ligature Passer.**
- *B-1876 **Albee's End Mill.**
- *B-1880 **Martel's Automatic Trepine Attachment Set**, for use with Albee's universal motor, with pointed cutter for starting, blunt trephine cutter, spiral osteotome and guard for osteotome.
- *B-1881 **Martel's Automatic Trepine**, complete with Albee's Universal motor, foot switch and cords.

Illustrated bulletin of all the above instruments sent on request.

B-1890 **Geiger's Electro Operative Bone Instruments and accessories;**

- A Universal Motor, 60 cycle, 110 volt. with sterilizable connecting cord.
- B Universal Motor with extra cycle or higher voltage.
- 1 Drill, $\frac{5}{16}$ inch.
- 2 Drill, $\frac{7}{16}$ inch.
- 3 Drill, $\frac{1}{2}$ inch.
- 4 Drill, $\frac{3}{8}$ inch.
- 5 Drill, $\frac{3}{8}$ inch.
- 6 Cherry Burr.

- 7 Sharp Nose Burr.
- 8 Set of Chisels.
- 9 Motor Plaster Cutter, without motor.
- 10 Saw with mandrel, $\frac{6}{8}$ inch.
- 11 Saw with mandrel, $\frac{7}{8}$ inch.
- 12 Saw with mandrel, 1 inch.
- 13 Saw with mandrel, $1\frac{1}{8}$ inches.
- 14 Saw with mandrel, $1\frac{1}{4}$ inches.
- 15 Saw with mandrel, $1\frac{1}{2}$ inches.
- 16 Saw with mandrel, $1\frac{3}{4}$ inches.
- 17 Saw with mandrel, 2 inches.
- 17A Ideal Motor Bone Saw Hand Piece or Handle.
- 18 Twin Saws, $\frac{3}{16}$ inch.
- 19 Twin Saws, $\frac{1}{4}$ inch.
- 20 Twin Saws, $\frac{3}{8}$ inch.
- 21 Twin Saws, $\frac{1}{2}$ inch.
- 22 Trepine.
- 23 Protector Burr or Skull Cutter with hand piece.
- 24 Dowel Shaper, $\frac{1}{8}$ inch.
- 25 Dowel Shaper, $\frac{3}{16}$ inch.
- 26 Dowel Shaper, $\frac{3}{8}$ inch.
- 27 Lathe Attachment to Dowel Shapers.
- 28 Extra Guide Handle for Twin or Single Saws.
- 29 Right Angle Arm with Gears for all Cutters.
- 30 Caliper Knives.
- 31 Guards for Regulating depths of Saws (8 in number).
- 32 Sterilizable Aluminum Shell for Motor.
- 33 Sterilizable Brass Shell for Motor.
- 34 Special Electric Hot Air Sterilizer, with thermostatic control.
- 35 Bone Elevating Spoon or Skid (Straight)
- 36 Bone Elevating Spoon or Skid.
- 37 Bone Elevating Forcep.
- 38 Bone Graft Retaining Forcep.
- 40 Handsome Carrying Case for Motor and Cutters.
- 41 Speed Regulating Foot Switch.
- 43 **Geiger's New Work on "Modern Operative Bone Surgery."**

Illustrated bulletin of all **Geiger** instruments sent on request.



B-1914



B-1900



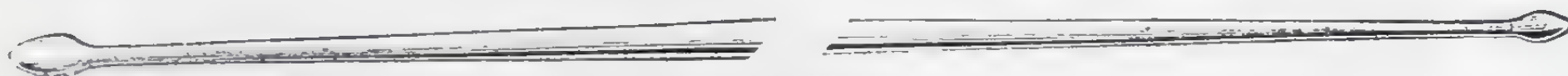
B-1902



B-1905



B-1910



B-1912



B-1916



B-1918

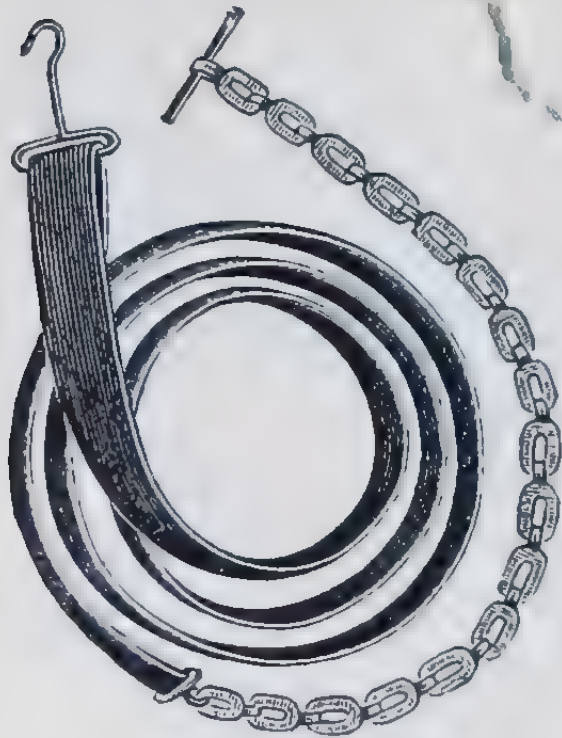
Bullet Forceps

- B-1900 **Gross'.**
- B-1902 **Senn's, plain.**
- *B-1903 **Senn's, with catch, latest army pattern.**
- B-1905 **Tiemann's, with catch.**
- *B-1907 **Weisse's, spiral, flexible.**

Bullet Probes

- B-1910 **Plain, double end, plated, 8 inches, 10 inches, 12 inches.**
- B-1912 **Fluhrer's, aluminum.**
- B-1914 **Hamilton's, with director, jointed.**
- B-1916 **Nelaton's, porcelain head, with handle.**
- B-1918 **Spiral, flexible, jointed.**
- *B-1920 **U. S. A. pattern, silver, 8 inches, 10 inches 12 inches.**

STANDARD SURGICAL INSTRUMENTS



B-1925



B-1930



B-1940



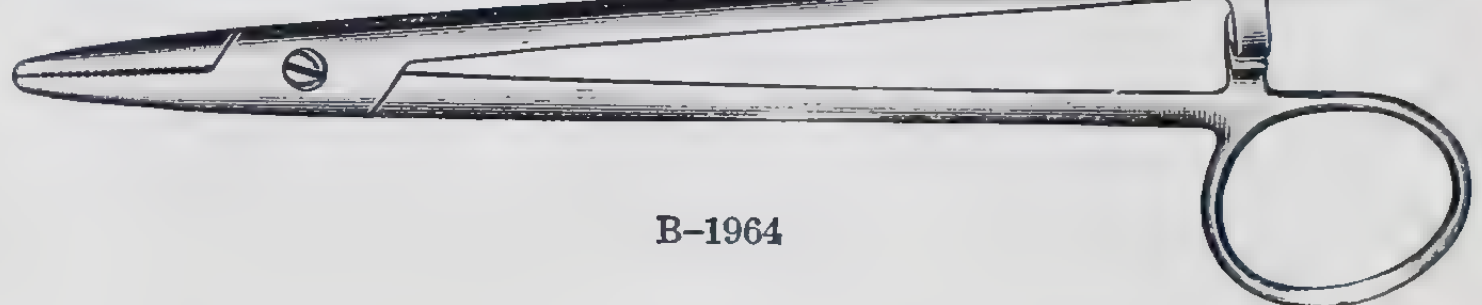
B-1945



B-1960



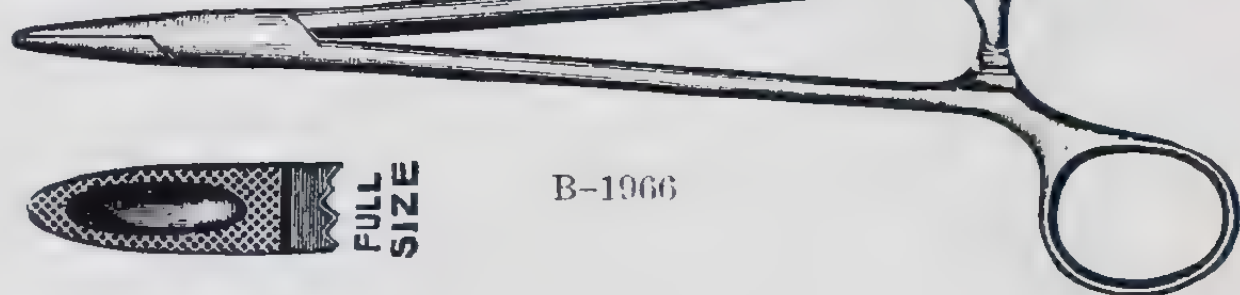
FULL
SIZE



B-1964



FULL
SIZE



B-1966



FULL
SIZE

Tourniquets

- B-1925 Esmarch's, strap and chain.
- *B-1927 Field tourniquet with webbing strap.
- B-1930 Gradwohl's, for general and Salvarsan work.
- *B-1935 Hazard's.
- B-1940 Senn's, U. S. A. pattern, 36 inches long, pure gum tubing.
- *B-1942 Shert's, all metal.
- B-1945 Wyeth's transfixion pin.

Needle Holders

- B-1960 Crile's, mortise joint.
- *B-1962 Crile's, modified by Wood.
- B-1964 Hegar's, screw lock, 6 inches, 8 inches.
- B-1966 Hegar-Mayo's, wide jaw and narrow jaw, 8 inches, mortise joint.
- *B-1968 Hegar-Mayo's, 6 inches, mortise joint.
- *B-1970 Hegar-Mayo's, 8 inches, screw joint.



B-1990



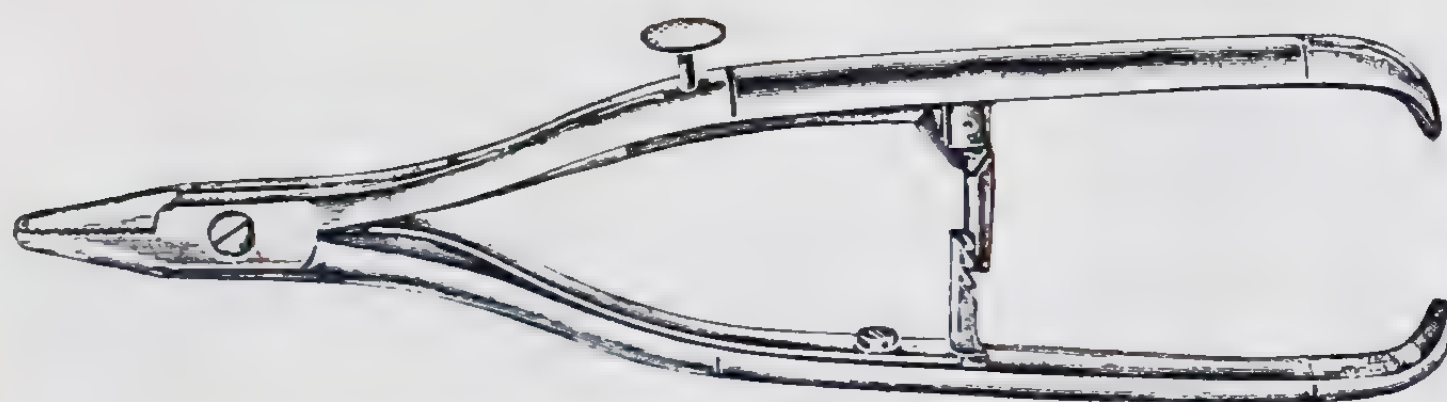
B-1992



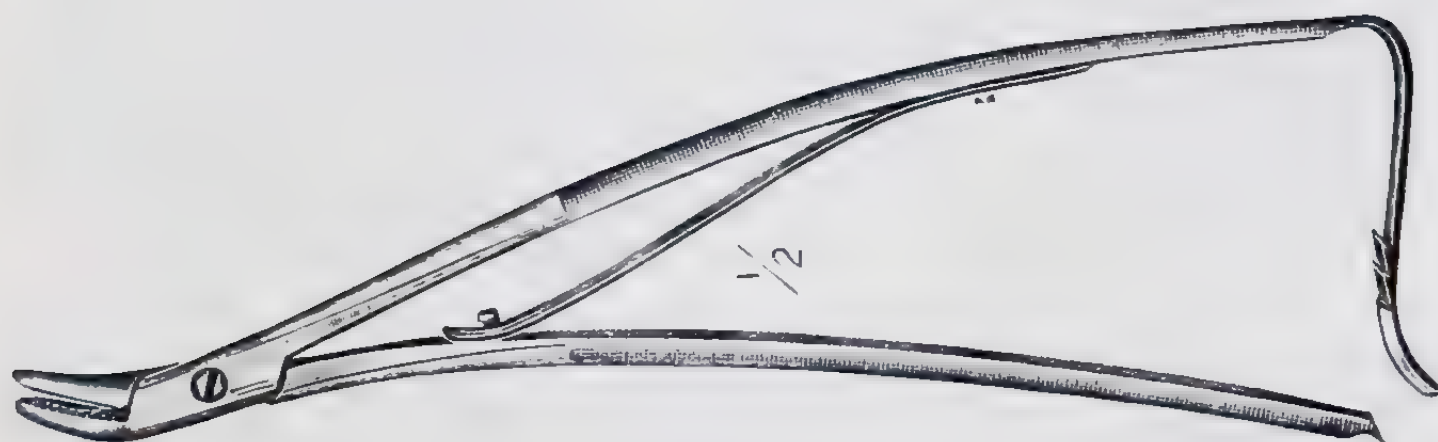
B-1994



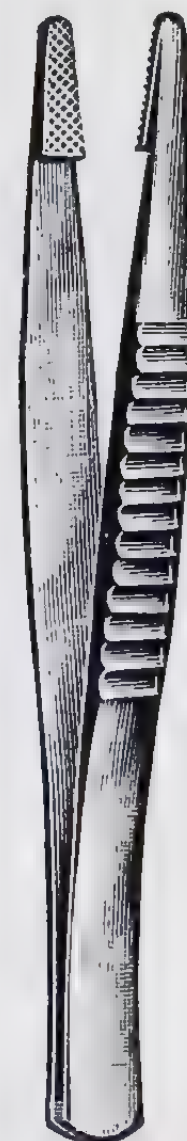
B-1998



B-2000



B-1975

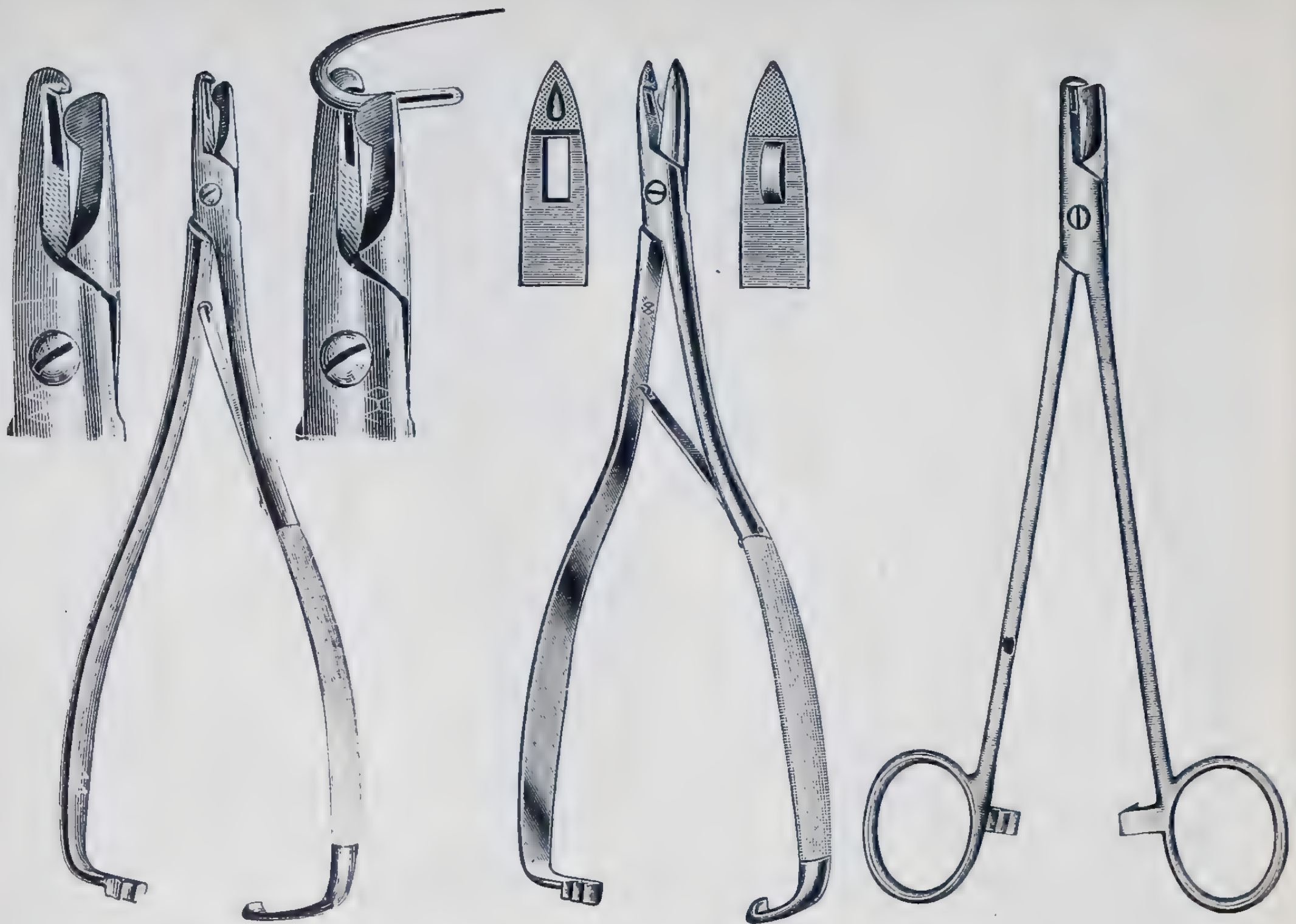


B-2005

Needle Holders

- | | | | |
|---------|--|---------|--|
| B-1975 | Gracey's, new model. | B-1994 | Mathieu's, improved, with thumb release catch. |
| *B-1980 | Langenbeck's, 6½ inches, 8 inches. | *B-1996 | McBurney's, 8 inches. |
| *B-1985 | Kelly-Miller's. | B-1998 | Murphy's, 8 inches, 9¾ inches, 10½ inches. |
| B-1990 | Mathieu's, regular, 4½ inches, 5 inches, 5½ inches, 7 inches, 7½ inches, 8 inches. | B-2000 | Rochester, release catch, 6¾ inches, 7¾ inches, 9¼ inches. |
| B-1992 | Mathieu's, improved pattern, 5½ inches, 7 inches, 8 inches. | B-2005 | Rochester needle pulling forceps. |

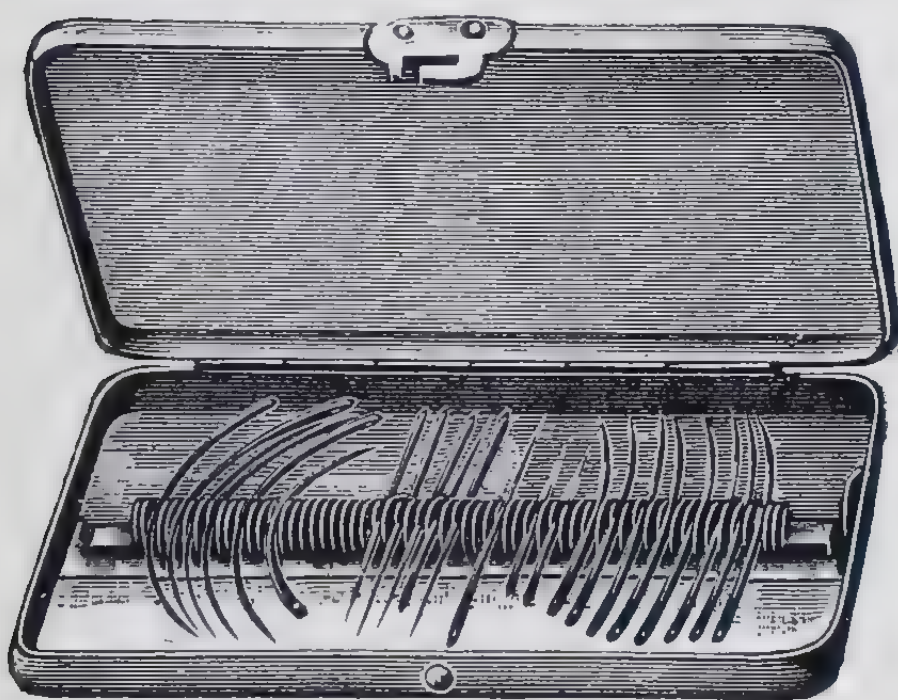
STANDARD SURGICAL INSTRUMENTS



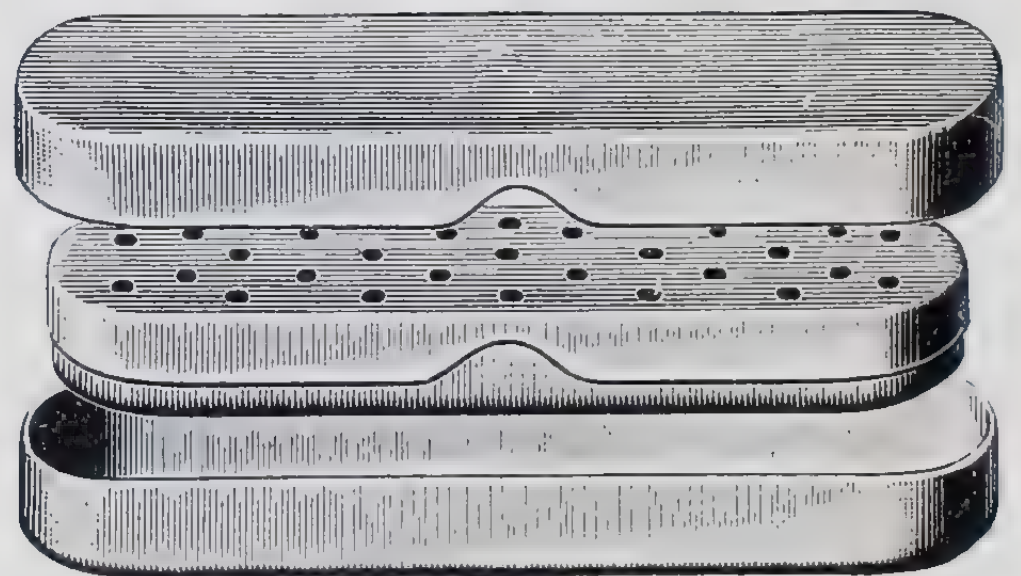
B-2010

B-2012

B-2022



B-2042



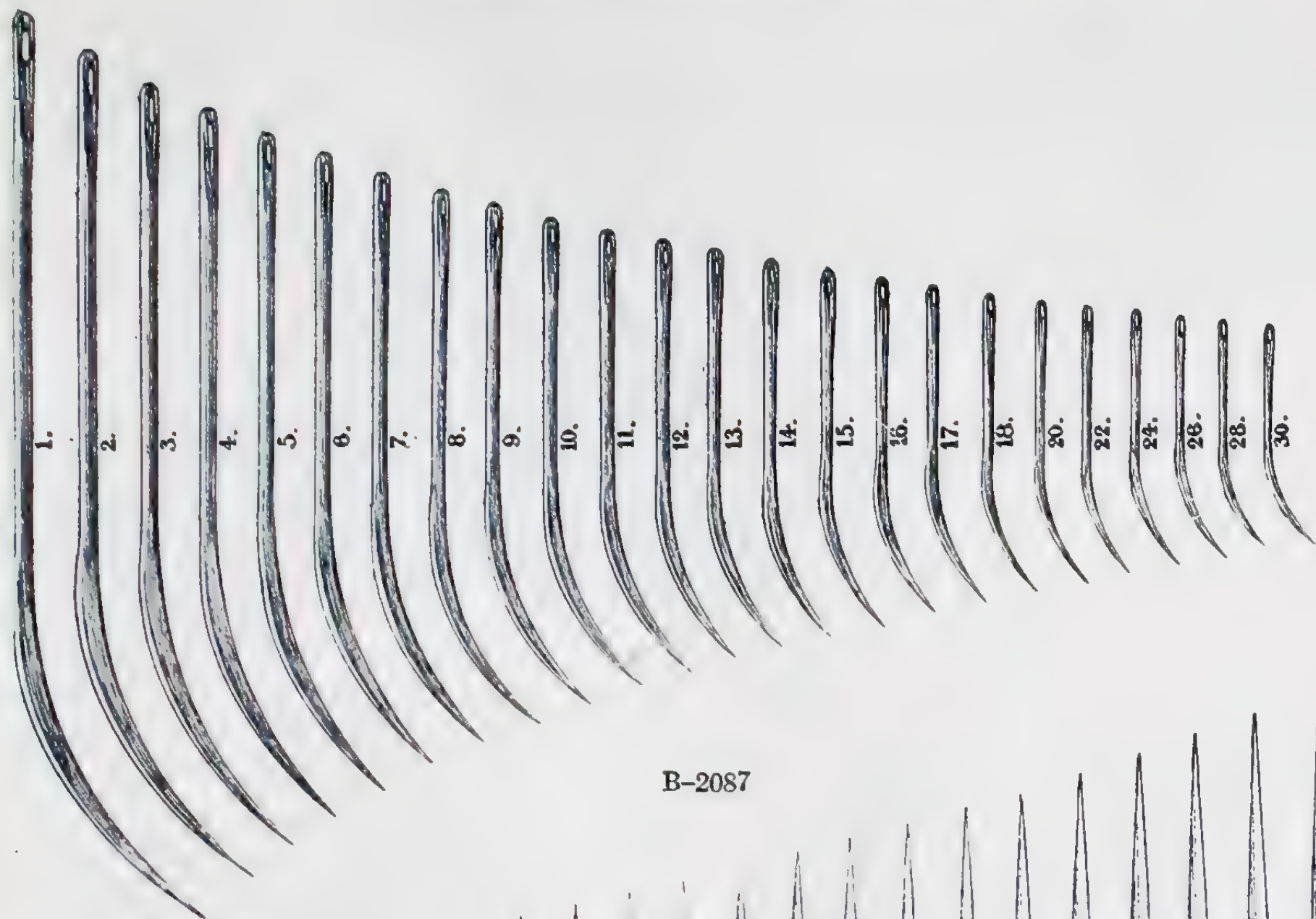
B-2045

- B-2010 **Richter's**, regular model, latest, 5½ inches, 7 inches, 8 inches.
- B-2012 **Richter's**, with grasping point, 7 inches, 8 inches.
- *B-2015 **Richter's**, with thumb release catch.
- *B-2017 **Richter's**, with grasping point and thumb release catch.
- *B-2020 **Richter's**, modified by Mayo.
- B-2022 **Richter's**, with ring handles.

METAL NEEDLE CASES

- *B-2040 Rectangular form, with spiral spring for needles.
- *B-2041 Rectangular form, with 1 dozen assorted needles.
- B-2042 Rectangular form, with 2 dozen assorted needles.
- *B-2043 Round form, with perforated sterilizing chamber, 2½ inches.
- *B-2044 Round form, with perforated sterilizing chamber, 3¾ inches.
- B-2045 Oblong form, with perforated sterilizing chamber, 5⅛ x 1¾ inches.

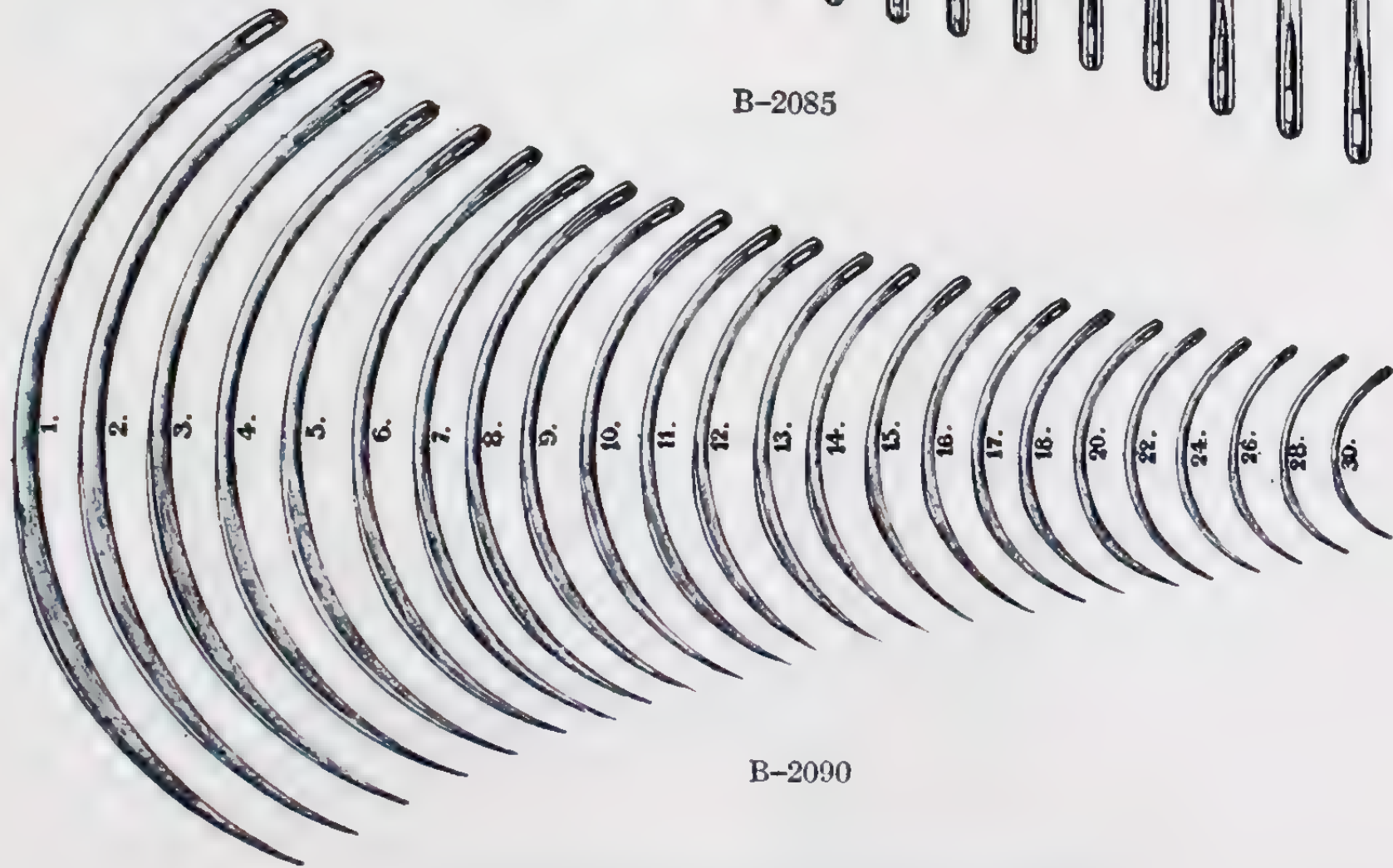
General Operating Needles



B-2087



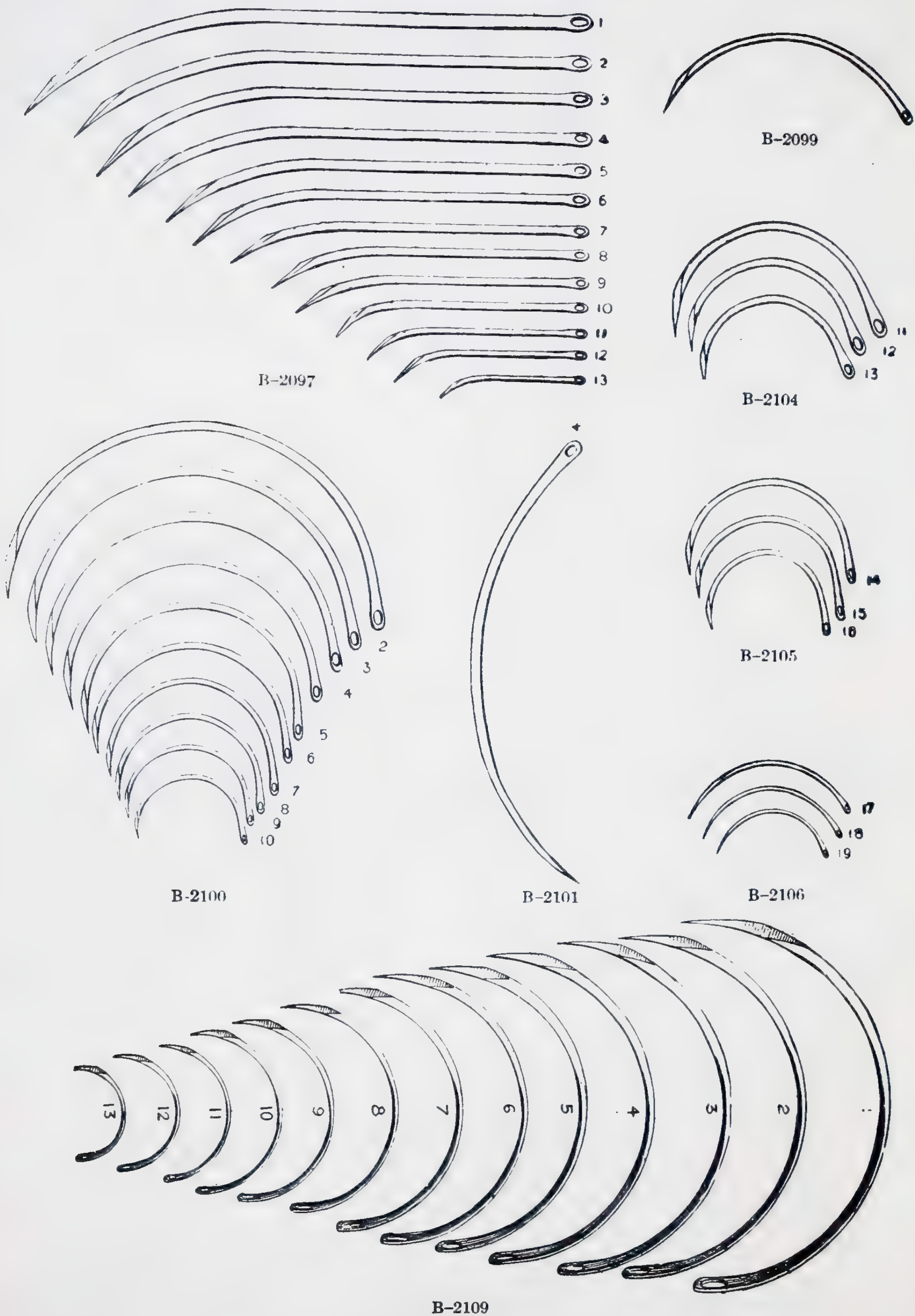
B-2085



B-2090

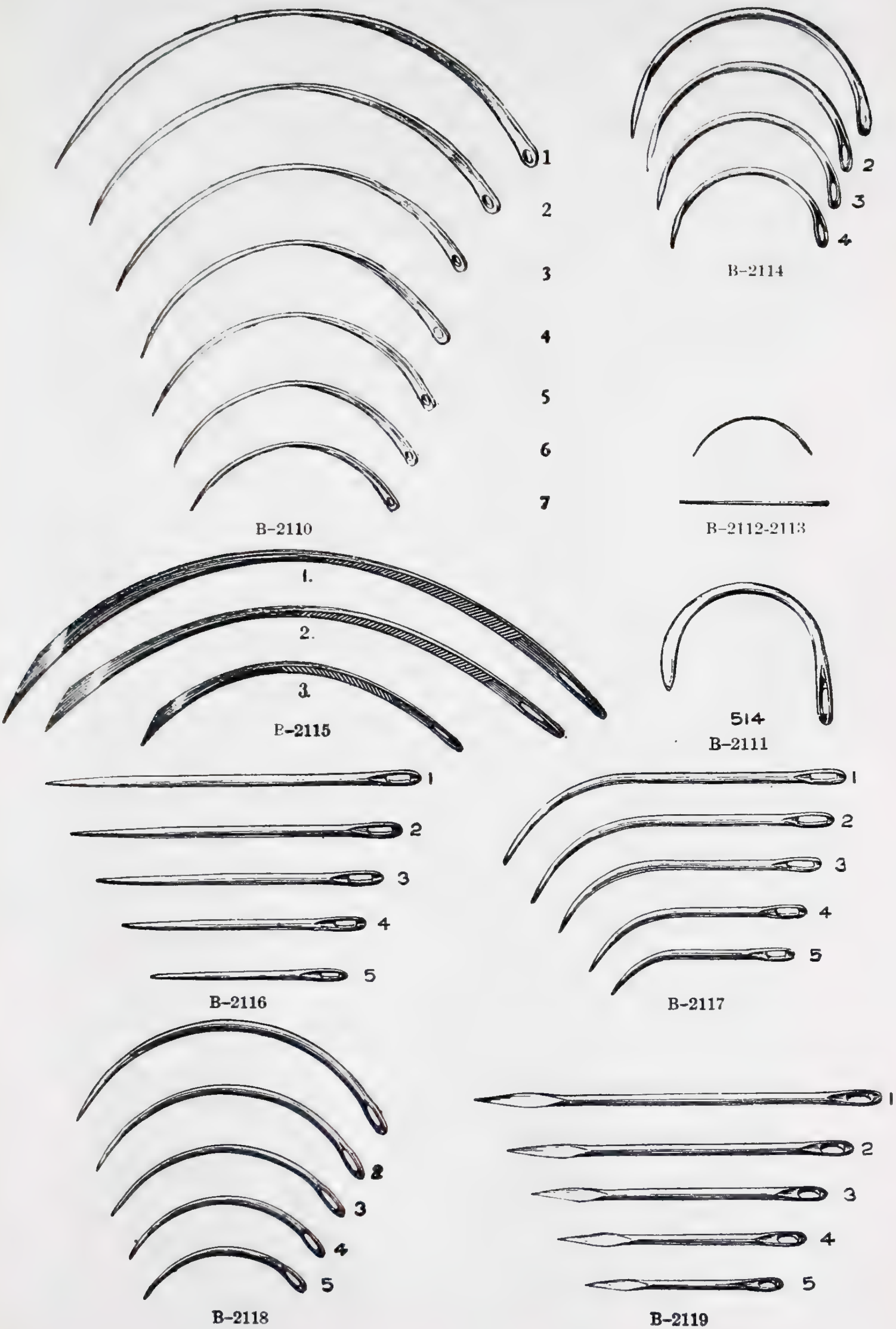
Illustrations show Full Size of Needles

General Operating Needles



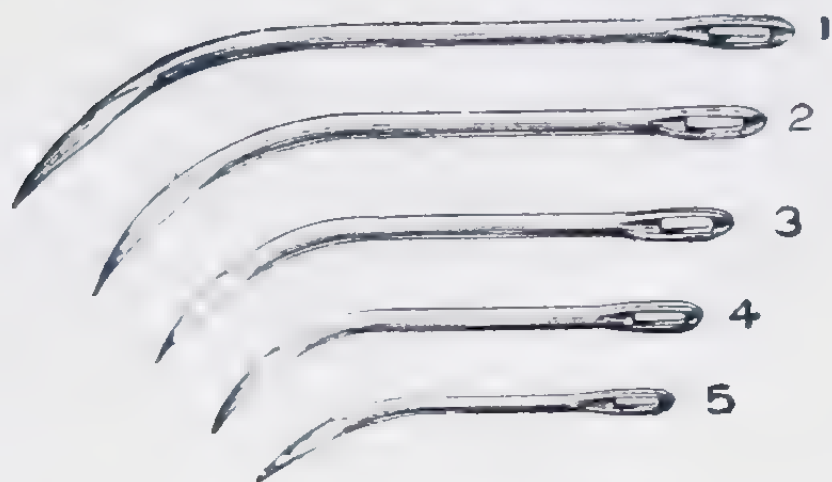
Illustrations show Full Size of Needles

General Operating Needles



Illustrations show Full Size of Needles

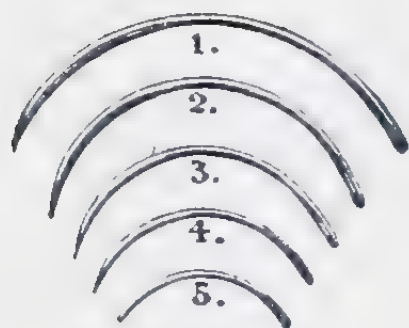
General Operating Needles



B-2120



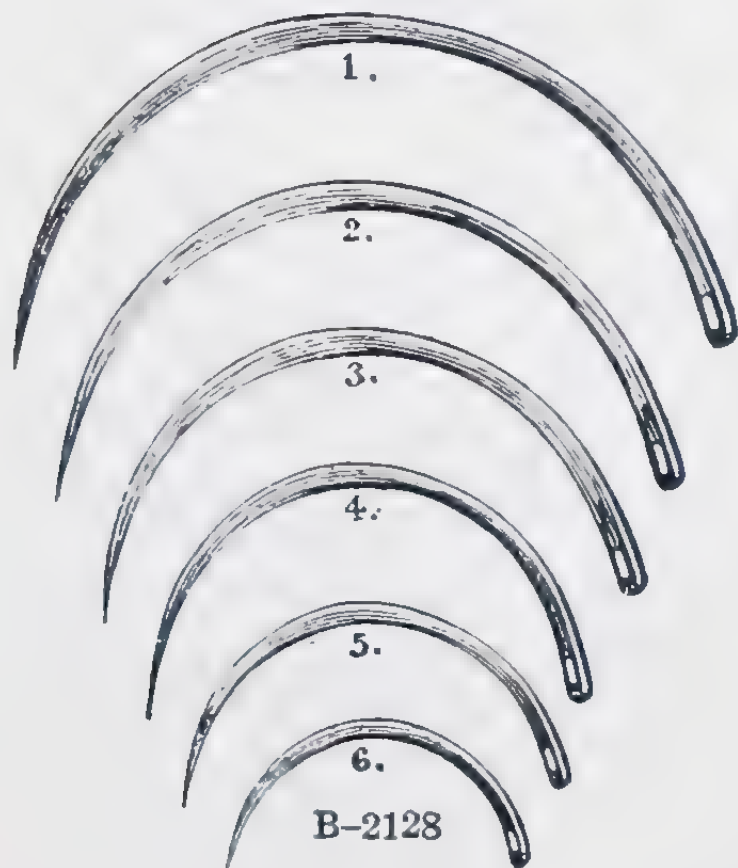
B-2121



B-2124



B-2127



B-2128



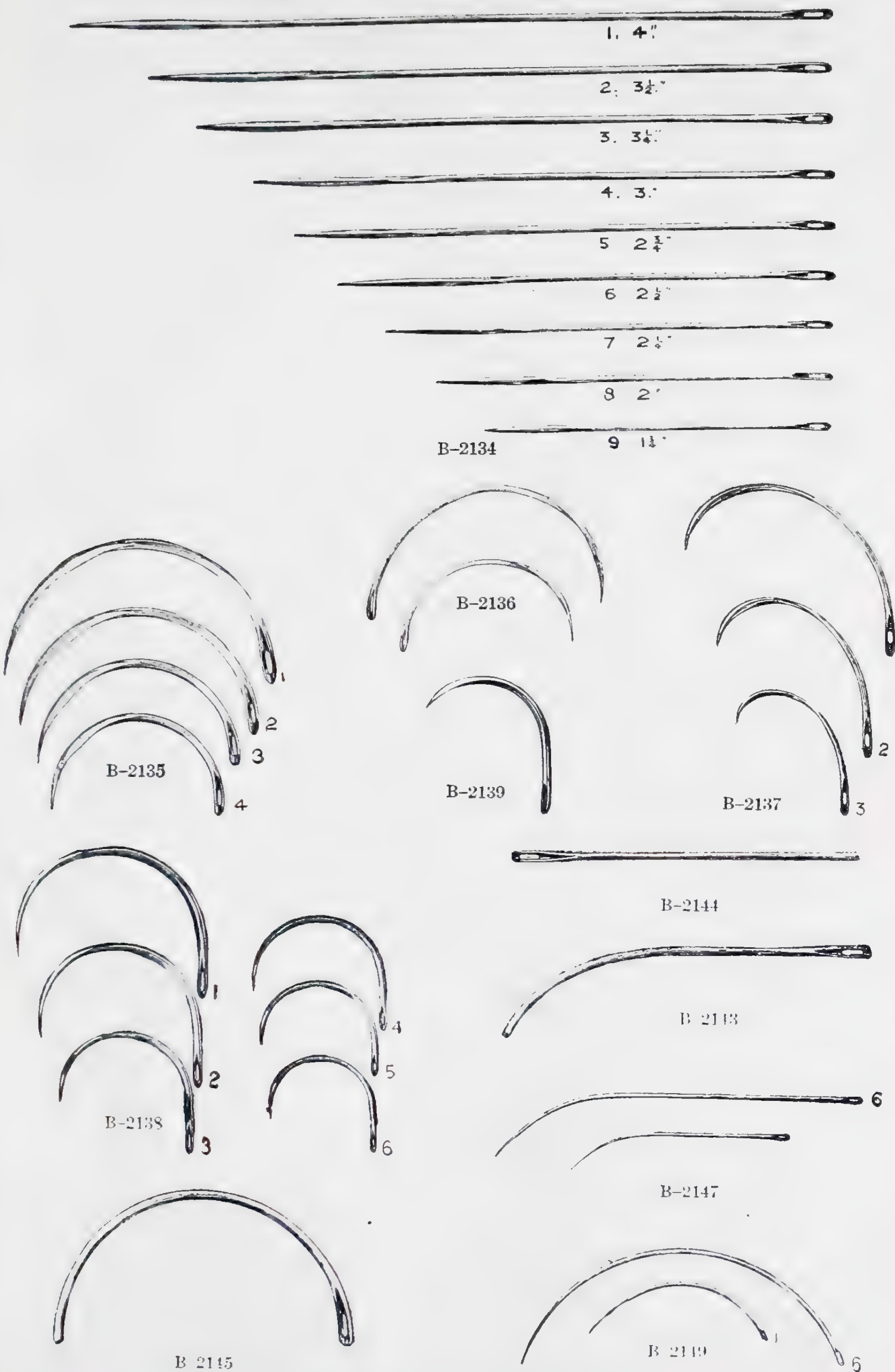
B-2126



B-2133

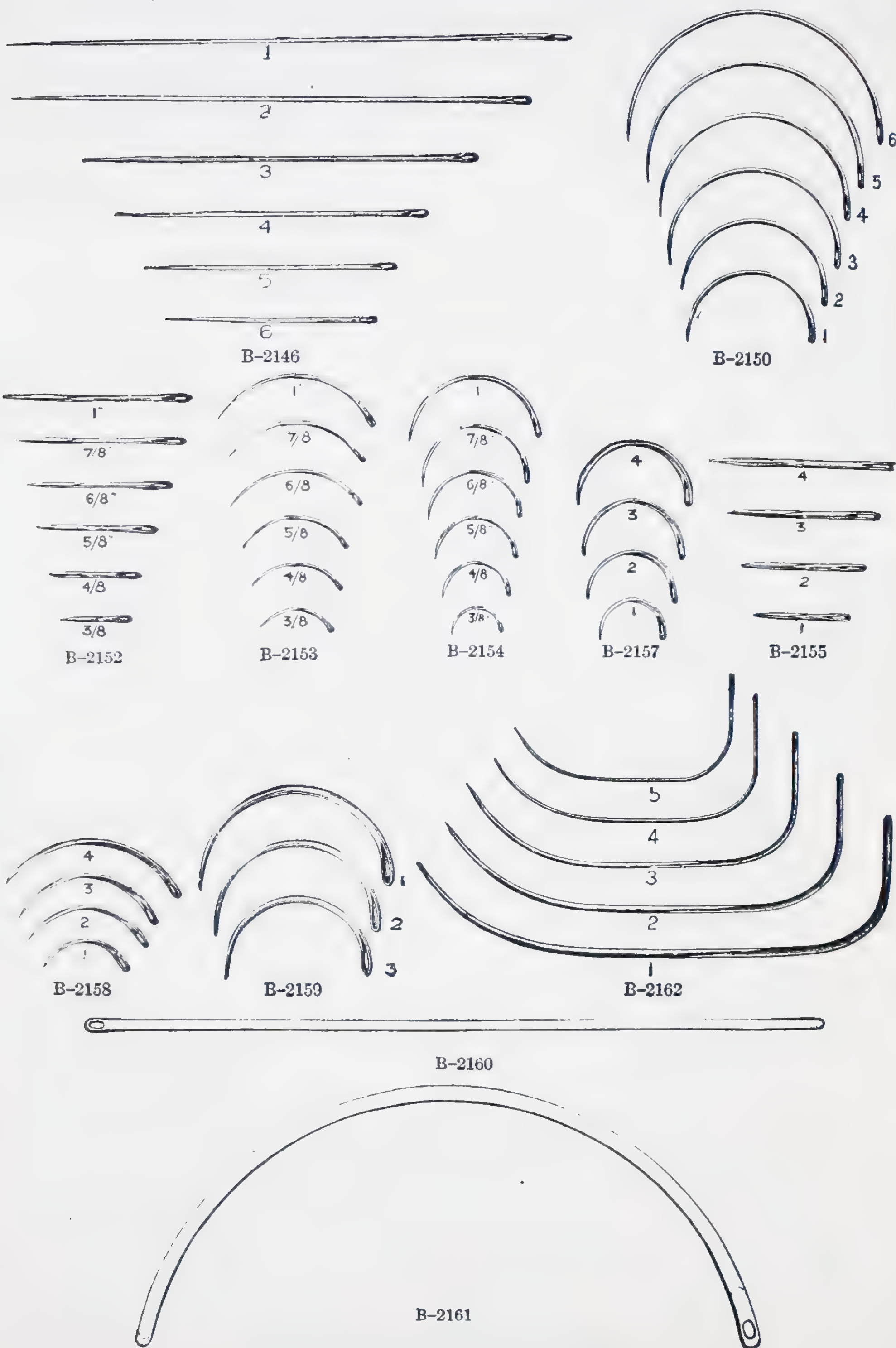
Illustrations show Full Size of Needles

General Operating Needles



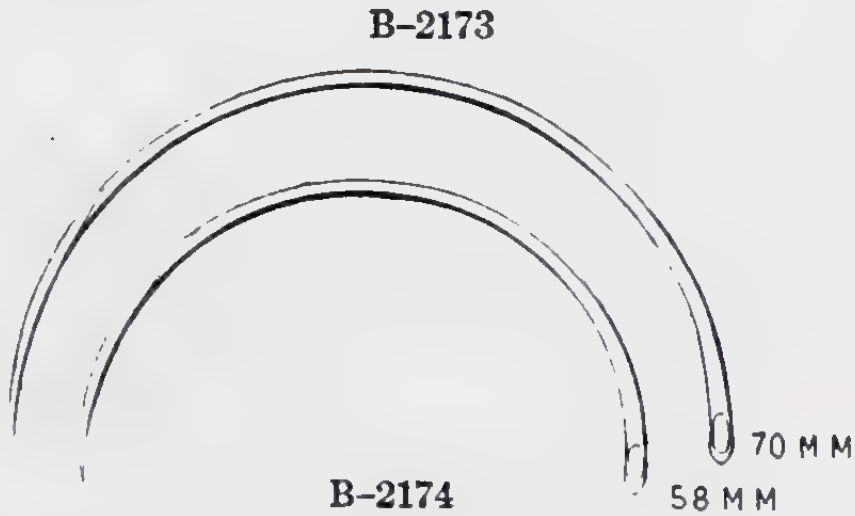
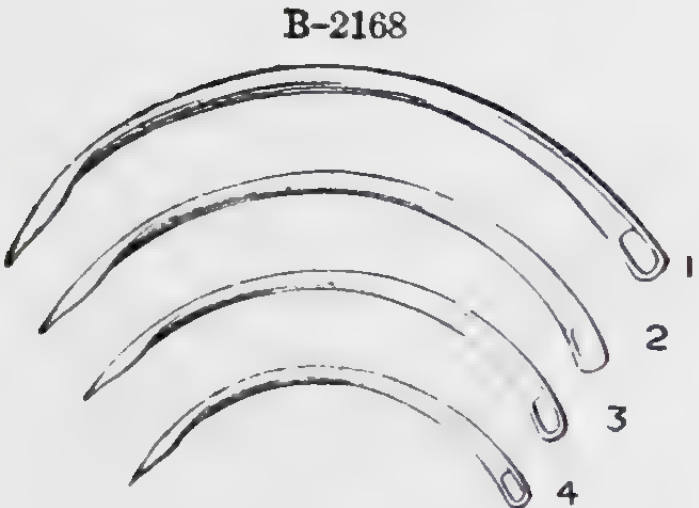
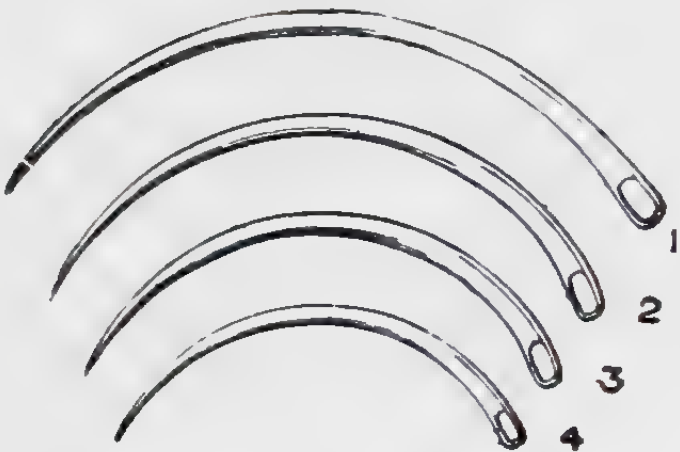
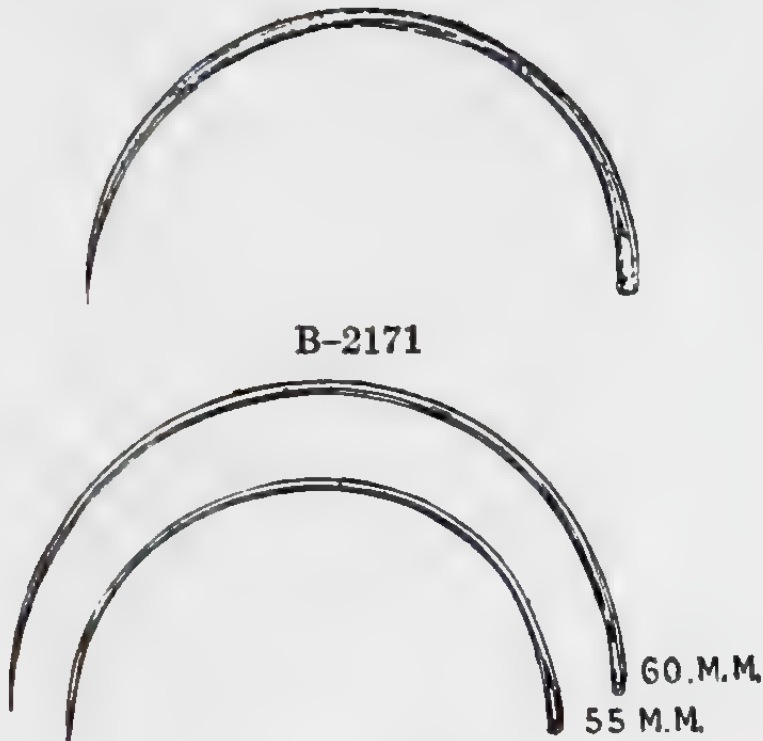
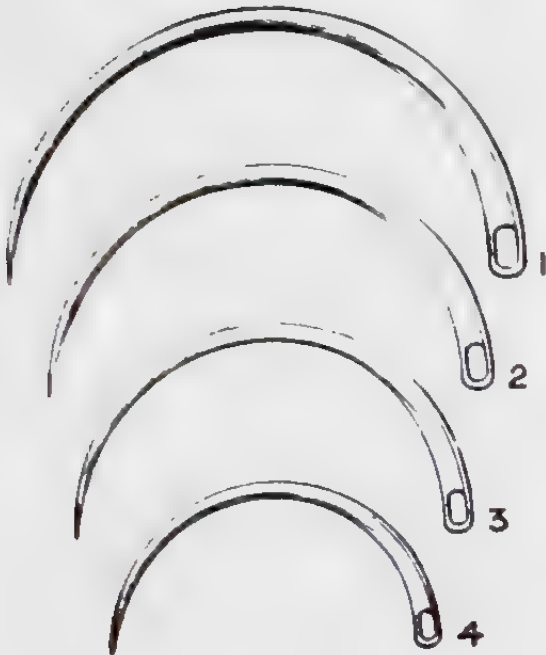
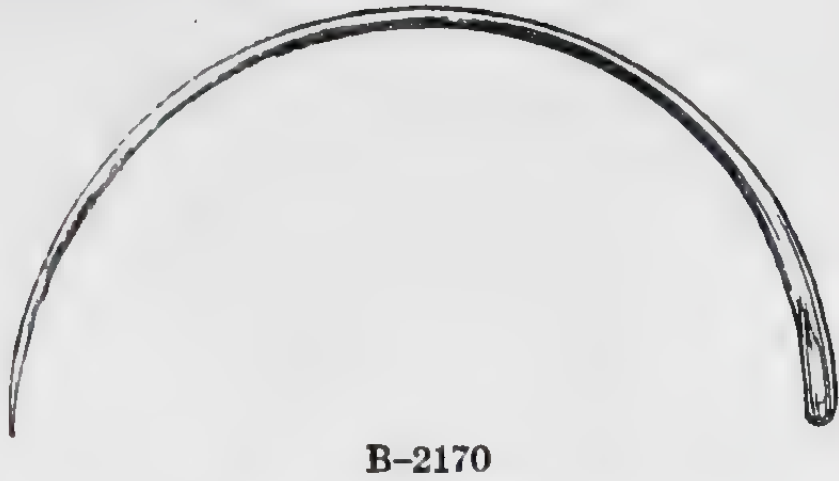
Illustrations show Full Size of Needles

General Operating Needles



Illustrations show Full Size of Needles

General Operating Needles



Illustrations show Full Size of Needles

General Operating Needles

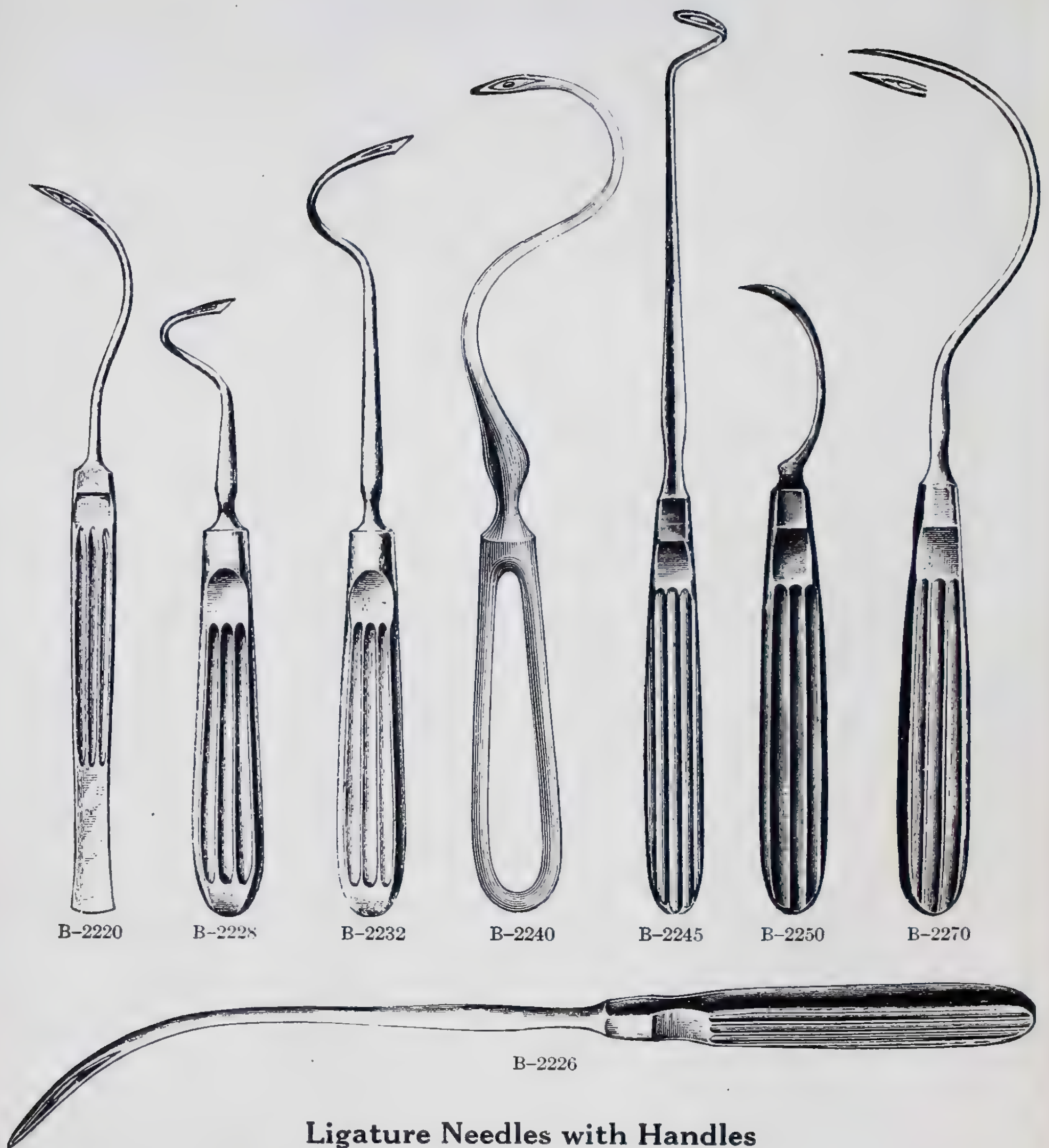


Surgeons' Needles

- | | | | |
|---------|---|---------|---|
| B-2085 | Regular, straight, sizes 1 to 30. | B-2106 | Hagedorn's , intestinal, 3 sizes: 17, 18, 19. |
| *B-2086 | Regular, straight, split eye, sizes 1 to 30. | *B-2107 | Cole's (Central Eye) Needles, round point, sizes same as Regular Surgeons. |
| B-2087 | Regular, half curved, sizes 1 to 30. | *B-2108 | Cole's (Central Eye) Needles, Triangular, sizes same as Regular Surgeons. |
| *B-2088 | Regular, half curved, split eye, sizes 1 to 30. | B-2109 | Hagedorn's , $\frac{1}{2}$ circle, with reversed eye, 13 sizes. |
| *B-2089 | Regular, half curved, round body, sizes 1 to 18. | B-2110 | Bonney's , full curved, 7 sizes. |
| B-2090 | Regular, full curved, sizes 1 to 30. | B-2111 | De Garmos , full curved, 1 size. |
| *B-2091 | Regular, half circle curve, sizes 1 to 18. | B-2112 | Carrell's Arterial Needles, curved, 1 size. |
| *B-2092 | Regular, full curved, split eye, sizes 1 to 30. | B-2113 | Carrell's Arterial Needles, straight, 1 size. |
| *B-2093 | Regular, full curved, round body, sizes 1 to 18. | B-2114 | Boston , 4 sizes. |
| *B-2094 | Regular, full curved, with Cunningham eye, sizes 1 to 18. | B-2115 | Doyen's , curved, to be used with fingers, gilt, 3 sizes. |
| *B-2095 | Hagedorn's , straight, sizes 1 to 13. | B-2116 | Emmet's , straight, taper point, 5 sizes. |
| *B-2096 | Hagedorn's , straight, with split eye, sizes 1 to 13. | B-2117 | Emmet's , half curved, taper point, 5 sizes. |
| B-2097 | Hagedorn's , half curved, sizes 1 to 13. | B-2118 | Emmet's , full curved, taper point, 5 sizes. |
| *B-2098 | Hagedorn's , half curved, with split eye, sizes 1 to 13. | B-2119 | Emmet's , straight, trocar point, 5 sizes. |
| B-2099 | Hagedorn Needle, $\frac{3}{8}$ circle, sizes 1 to 13. | B-2120 | Emmet's , half curved, trocar point, 5 sizes. |
| B-2100 | Hagedorn's , full curved half circle. | B-2121 | Emmet's , full curved, trocar point, 5 sizes. |
| B-2101 | Hagedorn's , $\frac{1}{4}$ circle curve, sizes 1 to 13. | *B-2122 | Eye, half curved, 6 sizes. |
| *B-2102 | Hagedorn's , $\frac{5}{8}$ circle curve, sizes 1 to 13. | *B-2123 | Eye, half curved, split eye, 6 sizes. |
| *B-2103 | Hagedorn's , full curved, with split eye, sizes 1 to 13. | B-2124 | Eye, full curved, 6 sizes. |
| B-2104 | Hagedorn's , fistula, stout, 3 sizes: 11, 12, 13. | *B-2125 | Eye, full curved, split eye, 6 sizes. |
| B-2105 | Hagedorn's , fistula, thin, 3 sizes: 14, 15, 16. | B-2126 | Ferguson's , with taper point, half circle, 12 sizes. |
| | | B-2127 | Fistula, full curved, light, 8 sizes. |

Surgeons' Needles

- | | | | |
|---------|---|---------|---|
| B-2128 | Fistula, full curved, heavy, 6 sizes. | *B-2163 | Loopuyt's half curved, split eye, 5 sizes. |
| *B-2129 | Fistula, extra full curved, light, 8 sizes. | B-2164 | Martin's , full curved, uterine, 7 sizes. |
| *B-2130 | Fistula Needle, extra curved light springe eye, 3 sizes. | *B-2165 | Martin's , uterine, with Cunningham Eye, 6 sizes. |
| *B-2131 | Goodell's , perineal, 3 sizes. | B-2167 | Mayo's , full curved, large square eye, taper point, for catgut, 4 sizes. |
| *B-2132 | Henderson's , full curved, cutting edge, 6 sizes. | B-2168 | Mayo's , $\frac{3}{8}$ circle, large square eye, taper point, for catgut, 4 sizes. |
| B-2133 | Hernia, extra heavy, 1 size. | B-2169 | Mayo's , $\frac{3}{8}$ circle, large square eye, trocar point, 4 sizes. |
| B-2134 | Keith's , straight, abdominal, 9 sizes. | B-2170 | Mayo-Robson Abdominal Needle, 1 size. |
| B-2135 | Kelly's Cervix Needles, 4 sizes. | B-2171 | Mayo-Robson Gastro Enterotomy Needle, 1 size. |
| B-2136 | Kelly Oblique Needles, 3 sizes. | B-2172 | Mayo-Robson Intestinal Needles, 2 sizes. |
| B-2137 | Kelly (Lister Eye) oblique Curved, 3 sizes. | B-2173 | Mayo-Robson Muscle Stitch Needle, 1 size. |
| B-2138 | Kelly's , gynaecic, 6 sizes. | B-2174 | Mayo-Robson Skin Needles, 2 sizes. |
| B-2139 | Kelly's , full curved, trachelorrhaphy, 3 sizes. | *B-2175 | McGowan's , full curved, taper point, 3 sizes. |
| *B-2140 | Kelly's Intestinal Needle, plain eye, 4 sizes. | *B-2176 | McGowan's , full curved, trocar point, 3 sizes. |
| *B-2141 | Kelly's , full curved, intestinal, taper point, split eye. | *B-2177 | Mayo's , full curved, plain eye, taper point, intestinal, 3 sizes. |
| *B-2142 | Koenig's fish hook curve, 5 sizes. | B-2178 | Moynihan's , full curved, plain eye, taper point, for catgut, 1 size. |
| B-2143 | Kidney Half Curved Needles, 1 size. | B-2179 | Murphy's , full curved, cutting points, for trachelorrhaphy, 3 sizes. |
| B-2144 | Kidney Needle, straight, 1 size. | B-2180 | Murphy's , full curved, taper point, haemostatic, 1 size. |
| B-2145 | Kidney Needle, curved, 1 size. | B-2181 | Murphy's , full curved, taper point, intestinal, 4 sizes. |
| B-2146 | Intestinal, straight, taper points, 6 sizes. | *B-2182 | Post-Mortem Needles, half curved, 3-inch to 6-inch in $\frac{1}{2}$ inches. |
| B-2147 | Intestinal, half curved, plain eye, taper point, 6 sizes. | *B-2183 | Sims' , straight, lance point, uterine, 5 sizes. |
| *B-2148 | Intestinal, half curved, split eye, taper point, 6 sizes. | B-2184 | Sims' , half curved, lance point, uterine, 5 sizes. |
| B-2149 | Intestinal, full curved, plain eye, taper point, 6 sizes. | *B-2185 | Sims' , full curved, lance point, uterine, 5 sizes. |
| B-2150 | Intestinal Needles, $\frac{1}{2}$ circle, 6 sizes. | *B-2186 | Sharp's , arterial, 1 size. |
| *B-2151 | Intestinal, full curved, split eye, taper point, 6 sizes. | B-2187 | Skene's , straight, trocar point, uterine, 6 sizes. |
| B-2152 | Lane's Straight Needle, cleft palate, 6 sizes in $\frac{1}{8}$ inch from $\frac{3}{8}$ to 1 inch. | B-2188 | Staphylorrhaphy, fish hook, cutting point, 1 size. |
| B-2153 | Lane's , cleft palate, $\frac{3}{8}$ circle curve. | *B-2189 | Triangular Needles, regular, straight, 18 sizes. |
| B-2154 | Lane's , cleft palate, $\frac{1}{2}$ circle curve, 6 sizes in $\frac{1}{8}$ inch from $\frac{3}{8}$ to 1 inch. | *B-2190 | Woodward's , 1 size. |
| B-2155 | Lane's Straight Needle, 4 sizes. | *B-2191 | Wylie's Pedicle Needles, 1 size. |
| B-2157 | Lane's Needles, $\frac{1}{2}$ circle, 4 sizes. | | |
| B-2158 | Lane's Needles, curved, 4 sizes. | | |
| B-2159 | Ligating, full curved, taper points, 3 sizes. | | |
| B-2160 | Liver Needle, straight, 1 size. | | |
| B-2161 | Liver Needle, curved, 1 size. | | |
| B-2162 | Loopuyt's , half curved, to be used with fingers, 5 sizes. | | |



Ligature Needles with Handles

- B-2220 Ashton's, perineal.
- *B-2225 Billroth's, ligature, straight, heavy.
- B-2226 Billroth's, ligature, half curved, heavy.
- B-2228 Carsten's, cervical, right or left.
- *B-2230 Carsten's, ligature, blunt, right or left.
- B-2232 Carsten's, perineal, right or left.
- *B-2235 Clark's, perineal, right or left.
- B-2240 Davis', ligature, curved.
- B-2245 Deschamp's, ligature, right or left, blunt.
- *B-2246 Deschamp's, ligature, right or left, sharp.
- B-2250 Felizet's, perineal, curved.
- *B-2255 Keyes', varicocele, plain, spear point.
- *B-2256 Keyes', varicocele, plain, oblique point.
- *B-2260 Landau's, ligature, sharp, with Hagedorn eye.
- *B-2265 Langenbeck's, ligature, curved, blunt.
- B-2270 Pean's, ligature.

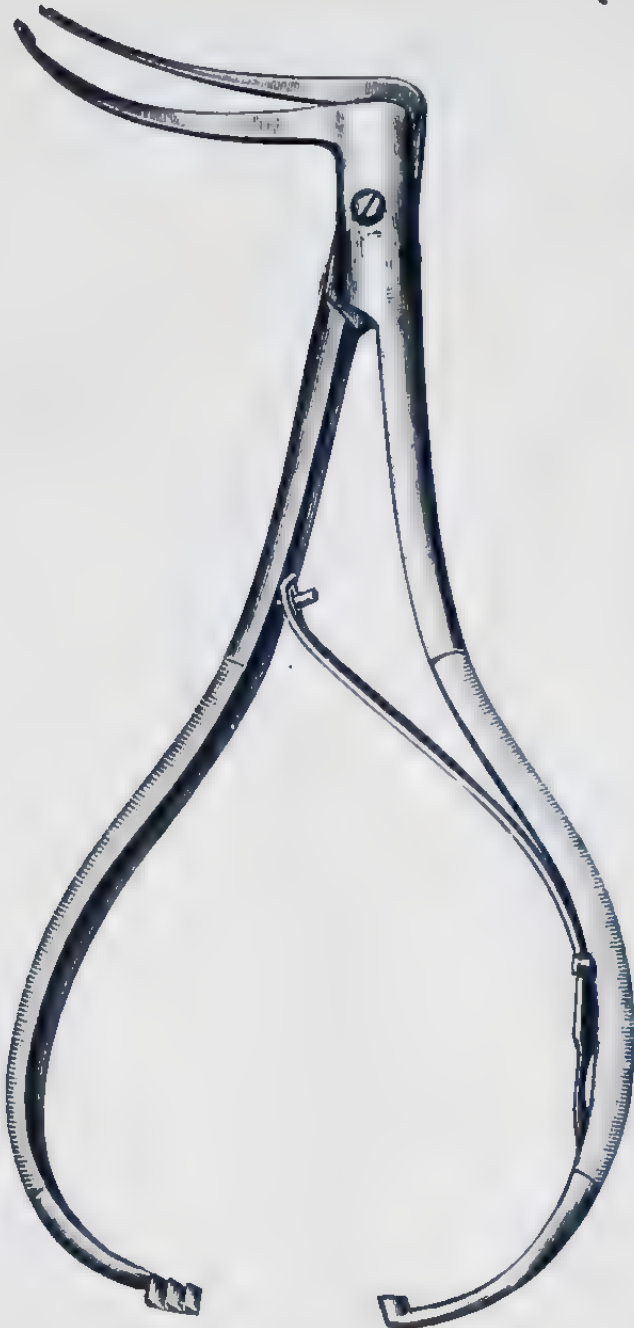


Ligature Needles with Handles

- B-2275 **Reverdin's**, suture, plain, sliding eye, curves, 1, 2, 3, 4.
- B-2280 **Reverdin's**, suture, automatic eye, curves, 1, 2, 3, 4.
- *B-2285 **Reverdin's**, suture, automatic eye, **Hagedorn** point, curves, 1, 2, 3, 4.
- *B-2290 **Reverdin's**, cervical, automatic eye, right or left.
- B-2295 Spiral curve, cervical, right or left.
- B-2300 **Wilson's**, cervical, right or left.



B-2310



B-2312



B-2320



B-2315



B-2317

Ligature Carriers

- B-2310 Cleveland's, scissors handle, 6 inches, 8 inches.
 B-2312 Cleveland's, improved, latest model, right and left.

Suture Sundries

- B-2315 Perforated Shot, 100 in bottle.
 B-2317 Shot Compressor.
 B-2320 Spreading Forceps, **Richter's**, for removing, or regulating the pressure of Michel's wound clips.



B-2322



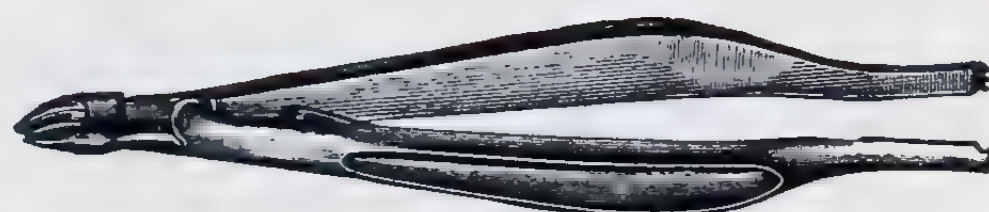
B-2326



B-2330



B-2335



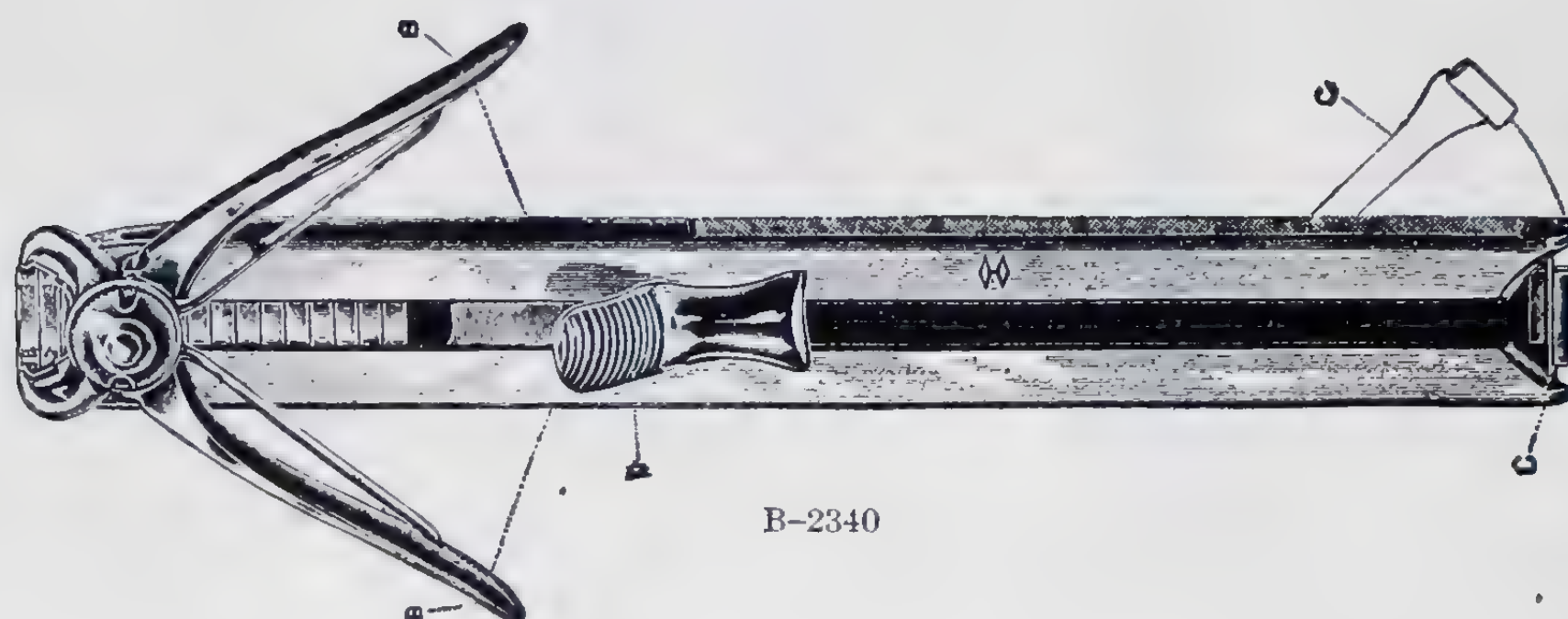
B-2324



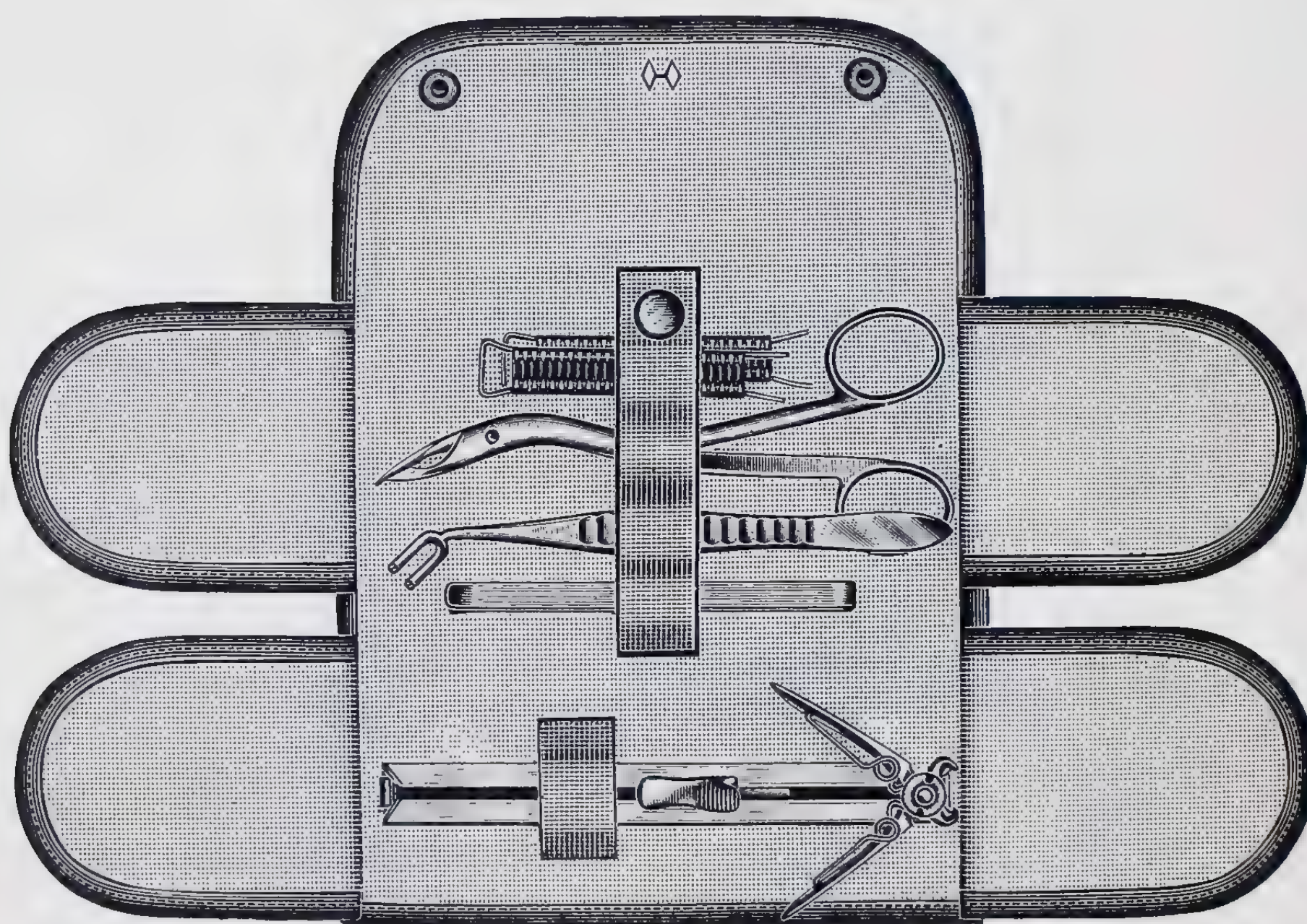
B-2325

Suture Sundries

- B-2322 Suture Forceps, **Michel's**, plain.
- B-2324 Suture Forceps, **Michel's**, improved, straight, for applying and removing clips.
- B-2325 Suture Forceps, **Michel's**, improved, curved, for applying and removing clips.
- B-2326 Suture Forceps, **Roubaix's**, angular.
- *B-2327 Suture Forceps, **Roubaix's**, straight.
- B-2330 Suture Scissors, **Littauer's**, 5½ inches.
- B-2335 Wound Clips, **Michel's**, small, medium and large.
- *B-2337 Wound Clip Set, **Michel's**, in metal case.



B-2340



B-2342

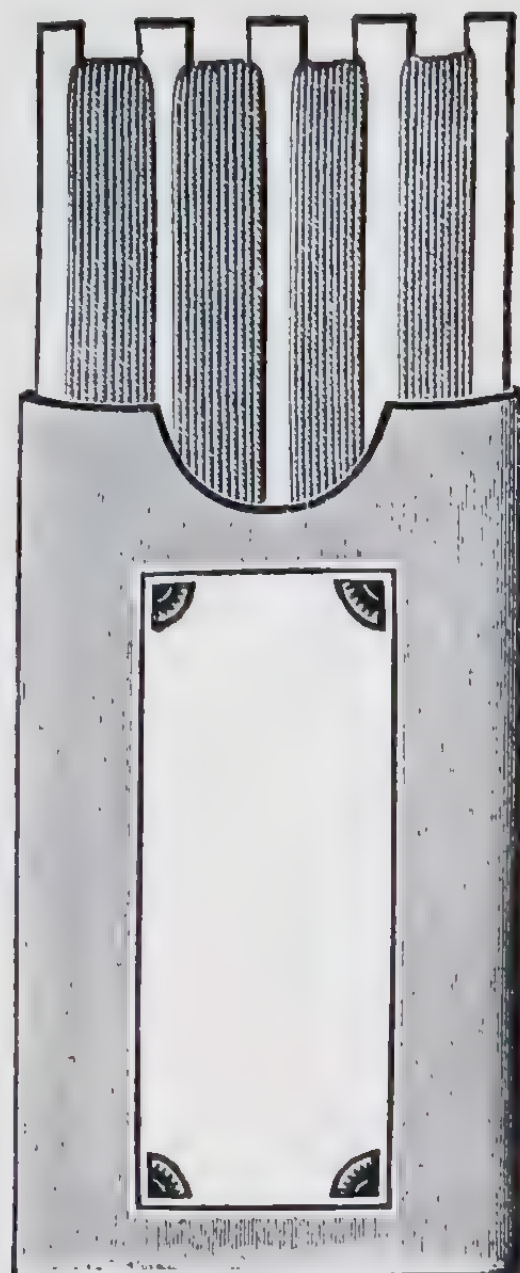
Wound Clip Forceps and Sets

B-2340 **Richter's Magazine Wound Clip Forceps**, holds 50 clips.

B-2342 **Richter's Magazine Wound Clip Set**, complete, in case.



B-2400



B-2432 B-2446
B-2437 B-2448



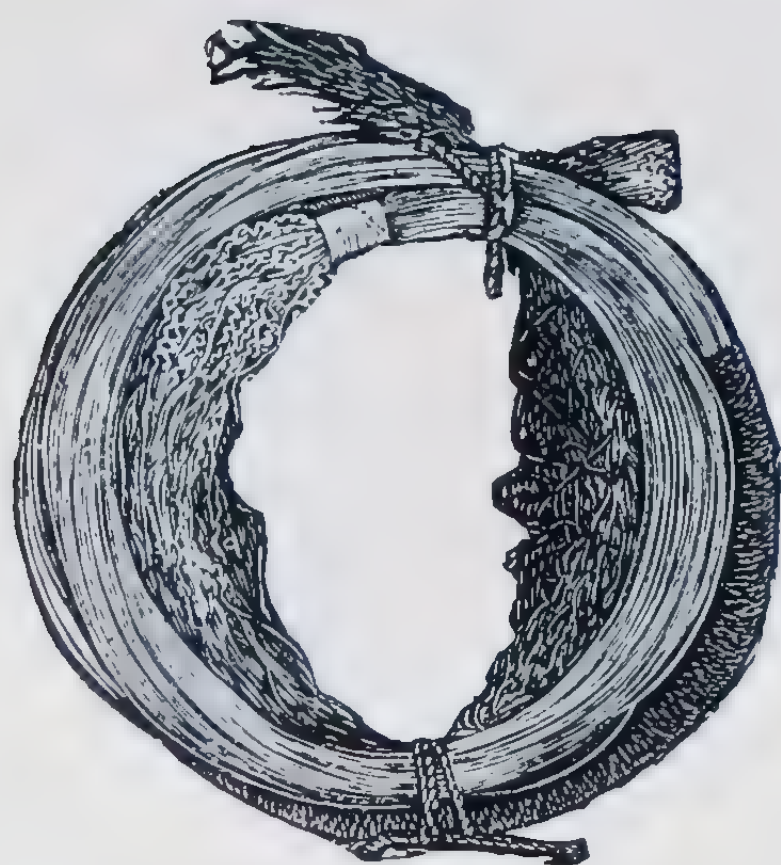
B-2430 B-2442



B-2412-2415

Sutures and Ligatures Unsterilized

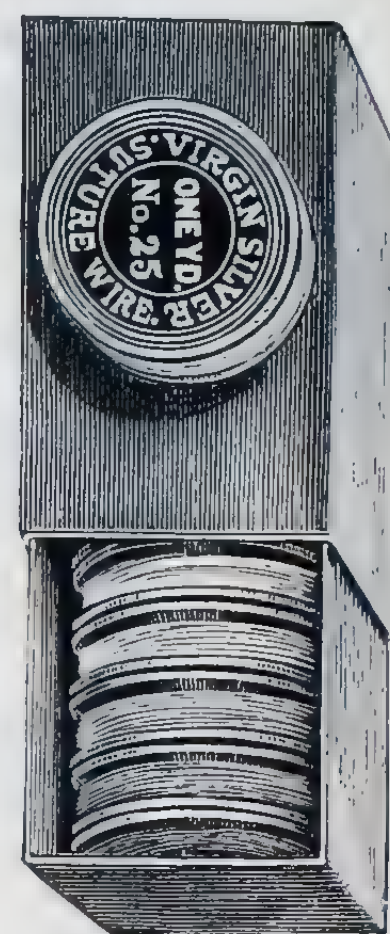
- B-2400 Catgut, dry, in bundles of 10 strings, each string 10 feet long: Nos. 00, 0, 1, 2, 3, 4, 5, 6,
- *B-2405 Celluloid Yarn, **Pagenstecher's**, sizes 00 to 6, in 5 gram hanks.
- *B-2407 Celluloid Yarn, **Braun's**, in 4 sizes, in hanks.
- *B-2410 Horse Hair, 25 strands, in bottle.
- *B-2411 Horse Hair, 100 strands, in paper box, 20 inches.
- B-2412 Linen Thread, **Mayo's**, iron dyed, No. 25, in hanks.
- B-2413 Linen Thread, **Mayo's**, iron dyed, No. 35, in hanks.
- B-2414 Linen Thread, **Mayo's**, iron dyed, No. 50, in hanks.
- B-2415 Linen Thread, **Mayo's**, iron dyed, No. 90, in hanks.
- *B-2420 Kangaroo Tendon, unfinished, assorted sizes.
- *B-2425 Silk, braided, **Turner's**, 12 sizes, in skeins, sizes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.
- B-2430 Silk, braided, 1 size on card, in 12 sizes.
- B-2432 Silk, braided, 4 sizes on card, in slip case.
- B-2435 Silk, braided, iron dyed, 1 size on card, in 12 sizes.
- B-2437 Silk, braided, iron dyed, 4 sizes on card, in slip case.
- B-2440 Silk, braided, white, on half ounce spools.
- B-2442 Silk, twisted, white, 1 size on card, in 20 sizes.
- B-2444 Silk, twisted, iron dyed, 1 size on card, in 20 sizes.
- B-2446 Silk, twisted, white, 4 sizes on card, in slip case.
- B-2448 Silk, twisted, iron dyed, 4 sizes on card, in slip case.
- B-2450 Silk, twisted, white, cable twist, in hanks.



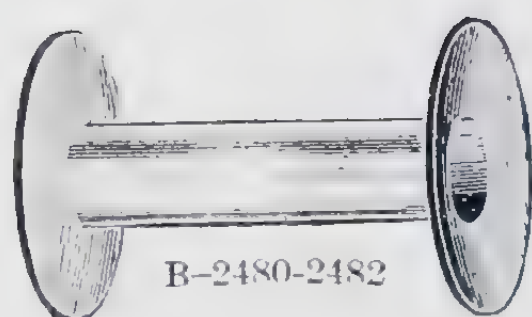
B-2455-2457



B-2470
B-2474



B-2472



B-2480-2482



B-2485-2486

Sutures and Ligatures, Unsterilized

B-2455 Silkwormgut, ordinary quality, 14-inch strands, 100 strands to coil: size: fine, medium, coarse, X coarse, XX coarse.

B-2457 Silkwormgut, finest quality, 14-inch strands, 100 strands to coil: size, fine, medium, coarse, X coarse, XX coarse, XXX coarse.

*B-2460 Wire, aluminum bronze, 4 sizes, 20 coils, in box.

*B-2465 Wire, silver, pure, No. 14 B. & S., for bone work.

*B-2466 Wire, silver, pure, No. 16 B. & S., for bone work.

*B-2467 Wire, silver, pure, No. 18 B. & S., for bone work.

*B-2468 Wire, silver, pure, No. 20 B. & S., for bone work.

B-2470 Wire, silver, pure, sizes 22 to 30, B. & S., in 2 dwt. coils.

B-2472 Wire, silver, pure, in spools of 1 yard each, 6 spools in box.

B-2474 Wire, silver, pure, in half ounce coils, sizes 22 to 30, B. & S.

B-2480 Glass Reels, for ligatures, $1\frac{1}{2}$ x 2 inches.

B-2482 Glass Reels, for ligatures, $1\frac{1}{2}$ x $2\frac{1}{2}$ inches.

B-2485 Suture Plate, glass, with 6 compartments.

B-2486 Suture Plate, opaque glass, with 6 compartments.



Sterilized Ligatures and Sutures

- B-2500 Catgut, plain, in sealed tubes, 5-foot strands, sizes 000 to 4.
- B-2502 Catgut, chromic, in sealed tubes, 5-foot strands, sizes 000 to 4; 10, 20, 30 and 40 day.
- B-2504 Catgut, **Bartlett** Process, plain, in sealed tubes, 5-foot strands, sizes 00 to 4.
- B-2506 Catgut, **Bartlett** Process, tanned, in sealed tubes, 5-foot strands, sizes 00 to 4; 20 and 30 day.
- B-2508 Catgut, plain, **Emergency**, in sealed tubes, 20-inch strands, without needles, sizes 00 to 4.
- B-2510 Catgut, chromic, **Emergency**, in sealed tubes, 20-inch strands, sizes 00 to 4; 10 and 20 day.
- B-2512 Catgut, plain, **Emergency**, in sealed tubes, 30-inch strands with half curved or full curved needles, sizes 00 to 3.
- B-2514 Catgut, chromic, **Emergency**, in sealed tubes, 30-inch strands with half curved or full curved needles, sizes 00 to 3; 10, 20 and 40 day.
- B-2516 Catgut, plain or chromic, in sealed envelopes, sizes 00 to 4.
- B-2518 Catgut, plain or chromic, in 3-spool bottles, 3 sizes in bottle.
- B-2520 Circumcision Suture, in sealed tubes, plain catgut, 30-inch strand, threaded on a full-curved needle, sizes 00, 0, 1.
- B-2522 Horsehair, in sealed tubes.
- B-2524 Silk, twisted, in sealed tubes, 2-yard strands, white or iron dyed.
- B-2526 Silk, twisted, in sealed tubes, **Emergency**, white or iron dyed, with half curved or full curved needles.
- B-2527 Silk, twisted, dry-sterile, in sealed envelopes.
- B-2528 Silkwormgut, in sealed tubes, 6-13-inch strands in each tube.
- B-2530 Silkwormgut, in sealed tubes, 2-13-inch strands in each tube.
- B-2532 Obstetrical or Perineal Sutures, in sealed tubes, **chromic catgut**, 30-inch strand, threaded on a full-curved needle No. 6.
- B-2534 Obstetrical or Perineal Sutures, in sealed tubes, **silk**, 30-inch strand, threaded on a full-curved needle No. 6.
- B-2536 Obstetrical or Perineal Sutures, in sealed tubes, **silkwormgut**, threaded on a full-curved needle No. 6.
- B-2540 Bone Wax, sterile, in sealed tubes.

Illustrated, Descriptive List of Sterilized Sutures and Ligatures sent on Request.



B-2575



B-2585



B-2600



B-2615



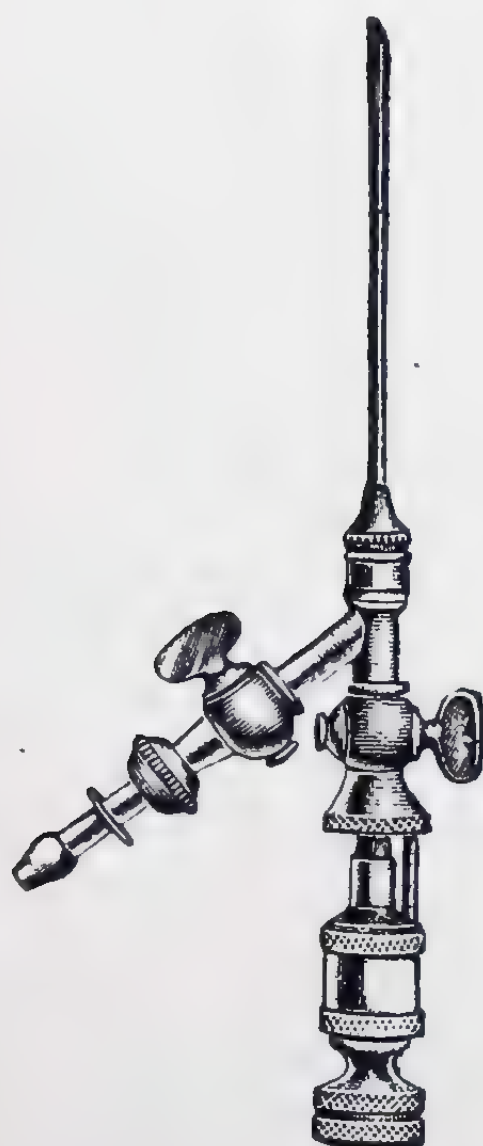
B-2620



B-2630



B-2610



B-2625

Trocars

- *B-2570 Trocar, anasarca, **Southey's**.
- B-2575 Trocar, **Birch's**, with perforated canulae.
- *B-2580 Trocar, **Emmet's**, small, No. 10 French scale.
- B-2585 Trocar, exploring, German silver canulae.
- *B-2590 Trocar, **Fowler's**, pocket, with salt infusion needles.
- *B-2595 Trocar, **Guitera's**, perineal.
- B-2600 Trocar, pocket, 4 sizes.
- *B-2605 Trocar, reversible, in wire handle, 6 sizes.
- B-2610 Trocar, **Kashimura's**, thoracic, with stop cock.
- B-2615 Trocar, **Lower's**, for suprapubic drainage of bladder.
- B-2620 Trocar, **Ochsner's**, gall bladder, 3 sizes, $\frac{1}{8}$, $\frac{1}{2}$, $\frac{1}{4}$ inch diameter.
- B-2625 Trocar, **Robinson-Brauer's**, thoracic, for pneumothorax.
- B-2630 Trocar, plain, reversible, with off-flow scoop.



Trocars

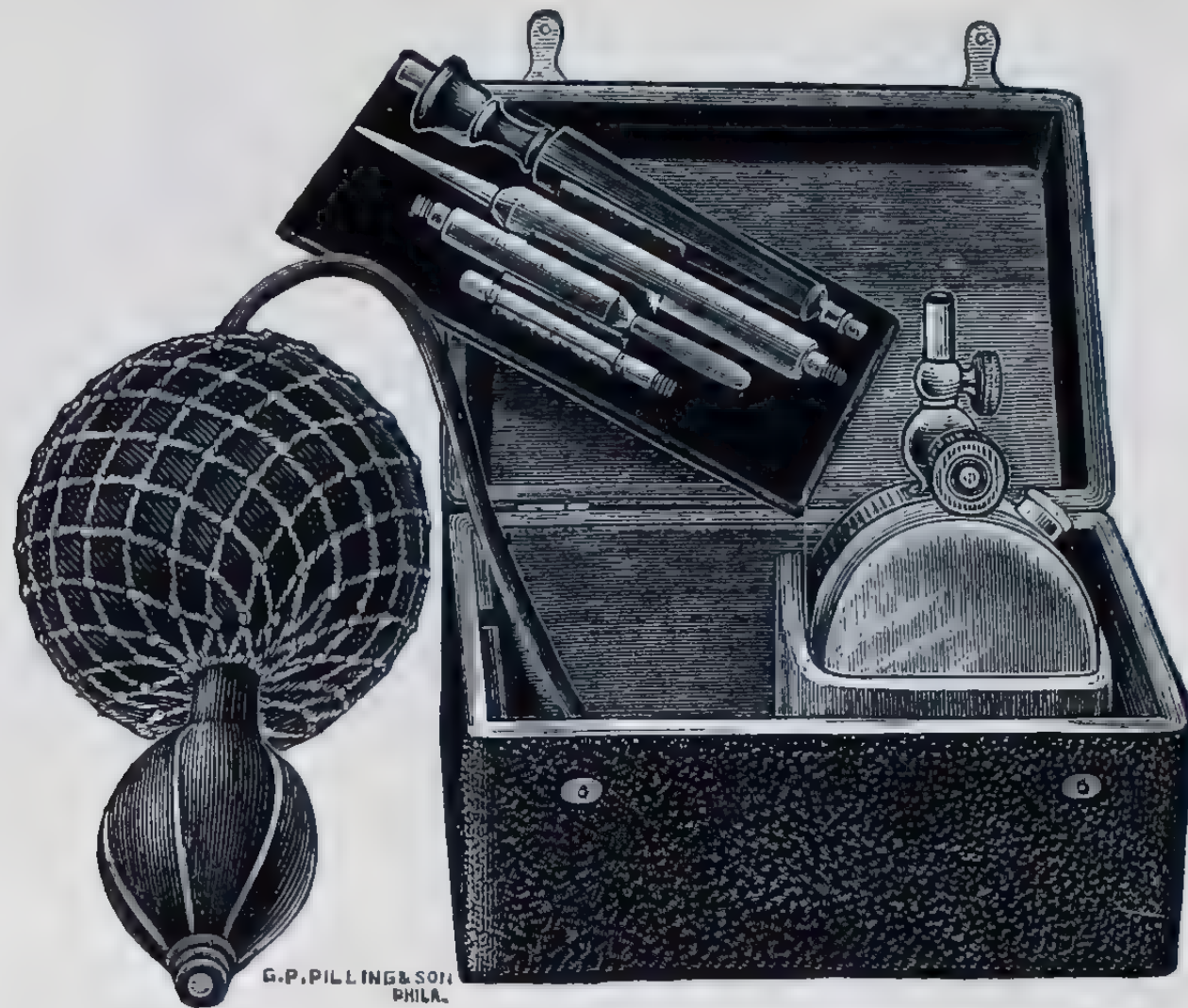
- B-2635 Trocar, with disc and snap canulae, 3 sizes.
- B-2640 Trocar, flat handle, reversible, 4 sizes.
- B-2645 Trocar, telescopic, pencil case form, 3 in set.
- *B-2650 Trocar, telescopic, pencil case form, 4 in set.
- *B-2655 Trocar, telescopic, flat handle form, 3 in set.
- B-2660 Trocar, telescopic, flat handle form, 4 in set.
- *B-2662 Trocar for **Potain's** aspirator, 3 sizes.

Trocars, Ovarian

- B-2665 Emmet's.
- *B-2670 Pean's.
- *B-2675 Wylie's, blunt.
- *B-2680 Wylie's, sharp.

Trocars, Vesical

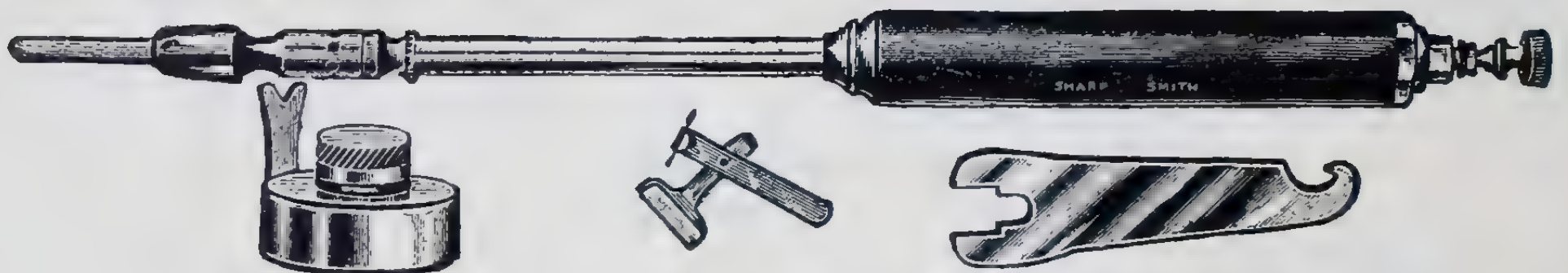
- B-2685 Buck's.
- B-2690 Plain.
- B-2695 Fleurant's.



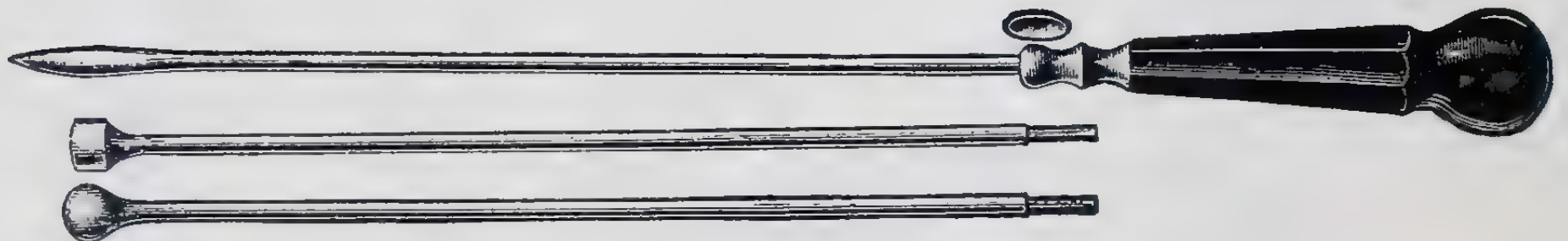
B-2720



B-2760



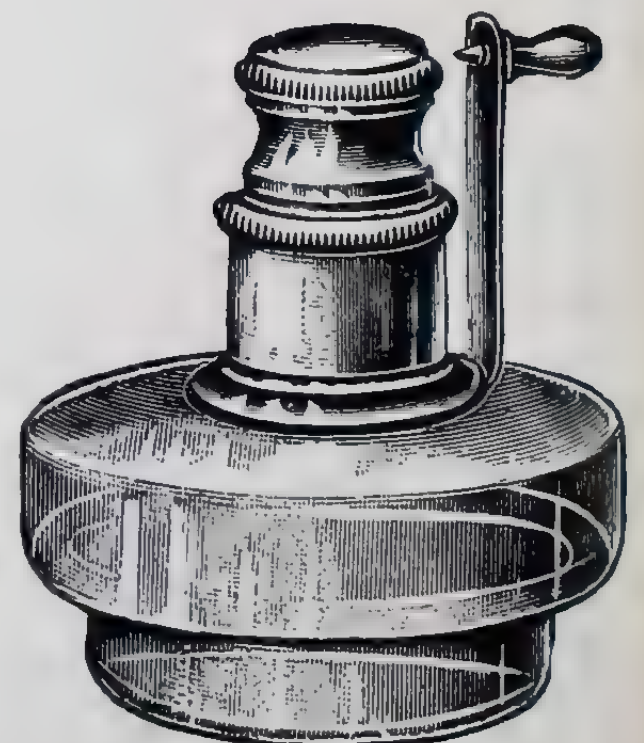
B-2725



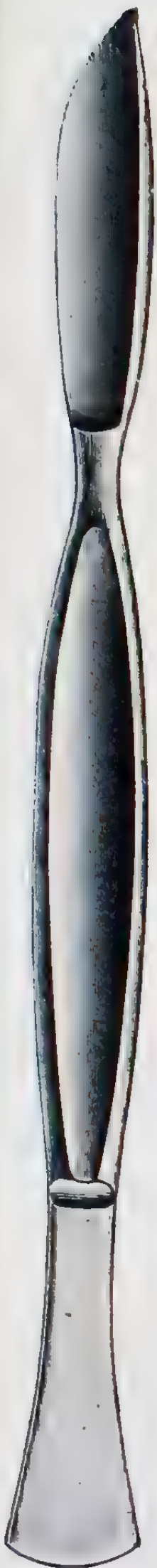
B-2750

Thermo and Actual Cauteries

- B-2720 **Paquelin** Thermo Cautery, complete as shown.
- B-2725 Perfected Auto Ether Cautery, complete as shown.
- *B-2730 Thermo Cautery Bulb, pure gum, with net.
- *B-2735 Thermo Cautery Burner, platinum, sharp taper point.
- *B-2740 Thermo Cautery Burner, platinum, knife shape.
- *B-2745 Thermo Cautery Burner, platinum, button point.
- B-2750 Actual Cautery Iron, set of 3, fitting in one handle.
- *B-2755 Actual Cautery Iron, round point, rigid handle.
- *B-2756 Actual Cautery Iron, flat button point, rigid handle.
- *B-2757 Actual Cautery Iron, conical point, rigid handle.
- B-2760 Actual Cautery Copper, light, with wood handle.
- B-2765 Alcohol Lamp for heating thermo cautery burners.
- *B-2770 Gas Stove for heating actual cautery burners.



B-2765



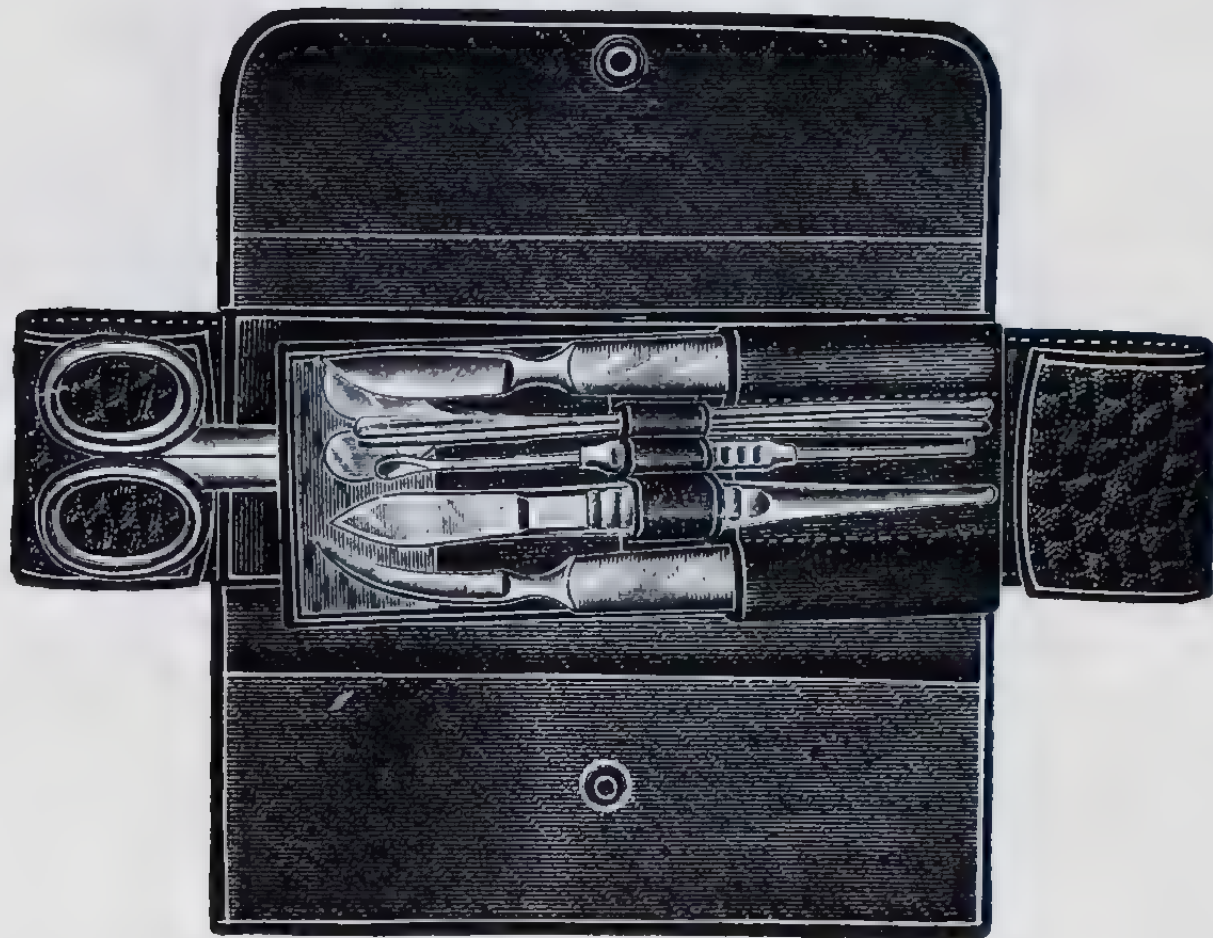
B-2800



B-2805

Pocket Case Knives

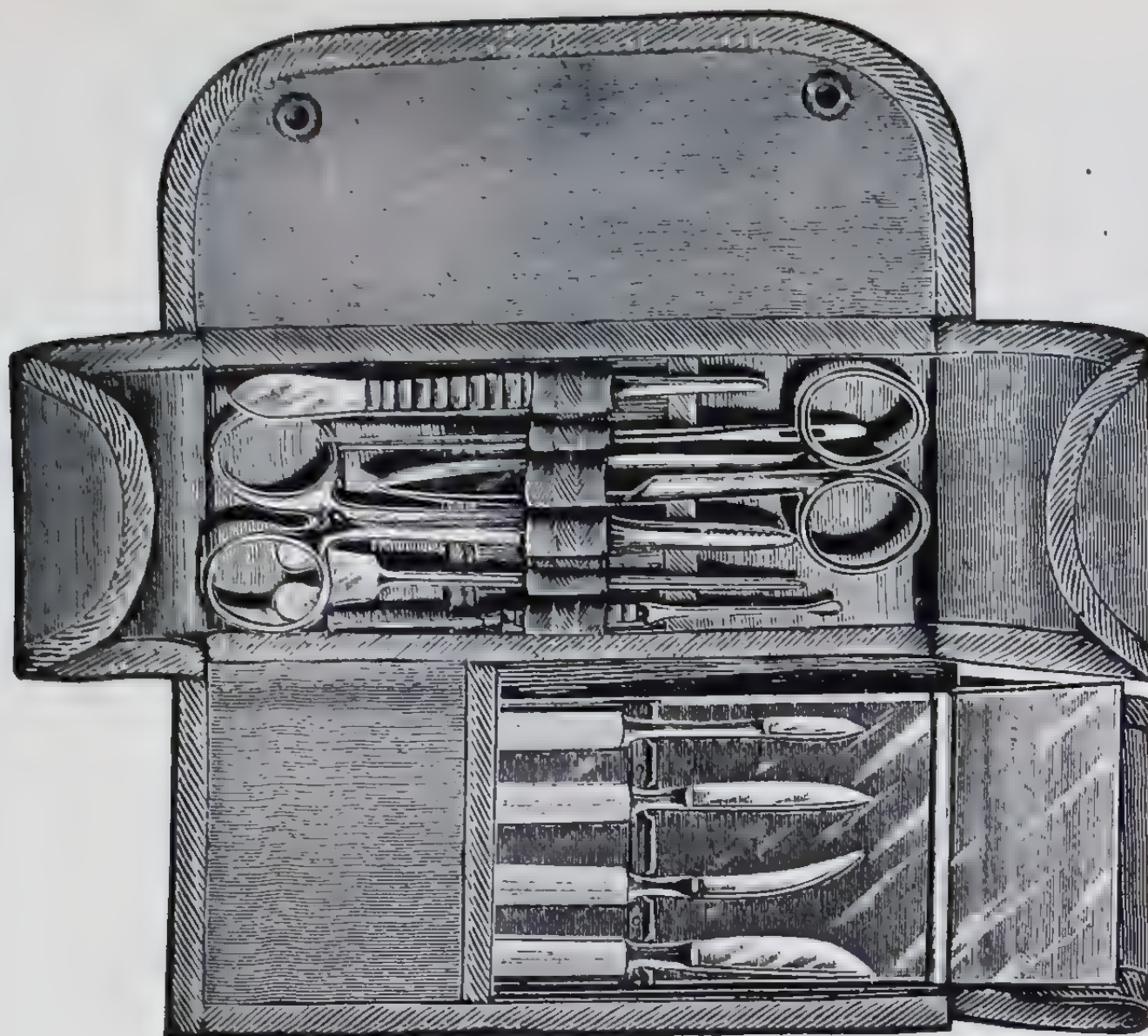
- B-2800 Pocket Case Knife, concave handle, any style blade.
- B-2805 Pocket Case Knife, plain handle, any style blade.
- *B-2810 Pocket Case Knife, plain handle, short.
- *B-2815 Pocket Case Knife, 4 blades, aluminum handle, folding, in pouch.
- *B-2820 Pocket Case Knives, double, aluminum handle.



B-2851

Pocket Cases

- B-2851 **Vest Pocket Case.** Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 1 Gross' hook and spoon, needles and silk, in fine black grained leather case.
- B-2852 **Vest Pocket Case.** Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Gross' ear spoon and hook, 1 Pean's haemostatic forceps, needles and silk, in black leather case.
Vest Pocket Case No. 2, in fine black grain leather case.
- B-2853 **Vaughan's Vest Pocket Case, Khaki Case,** contents: 2 Little's knives in metal rack, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Gross' ear hook and spoon, 1 Pean's haemostat, needles and silk.
- B-2854 **Vaughan's Emergency Pocket Case, Khaki Case,** contents: 1 thermometer in metal case, 1 Luer syringe 1½ cc., 2 Luer needles in clip holders, 1 Lindridge hypo spoon for sterilizing injections, 1 screw cap bottle, 1 bottle asbestos, 1 Mead's abscess knife in metal container, 1 thumb forceps, 5 inches, 1 Tait's haemostat, 1 grooved director and tongue tie, 1 combined male and female catheter, a straight scissors, 4½ inches, 1 Lister's bandage scissors, 5½ inches.



B-2858

Pocket Cases

- B-2858 **Arthur's Pocket Instrument Set**, contents: 4 knives, 1 thumb dressing forceps, 1 director and tongue tie, 1 pair probes, 1 straight scissors, 1 artery forceps, 1 Gross' ear spoon and hook, needles and silk, in a closely woven, high grade khaki canvas case that can be easily washed or sterilized.
- B-2860 **Pocket Case**, contents: 4 long concaved handle knives, 1 straight scissors, 1 thumb forceps, 1 Pean's forceps, 2 probes, 1 director and tongue tie, 1 ear hook and spoon, needles and silk.
- *B-2861 **Pocket Case**, contents: same as B-2860, but with plain handle knives.

Cases put up in black morocco grain leather.



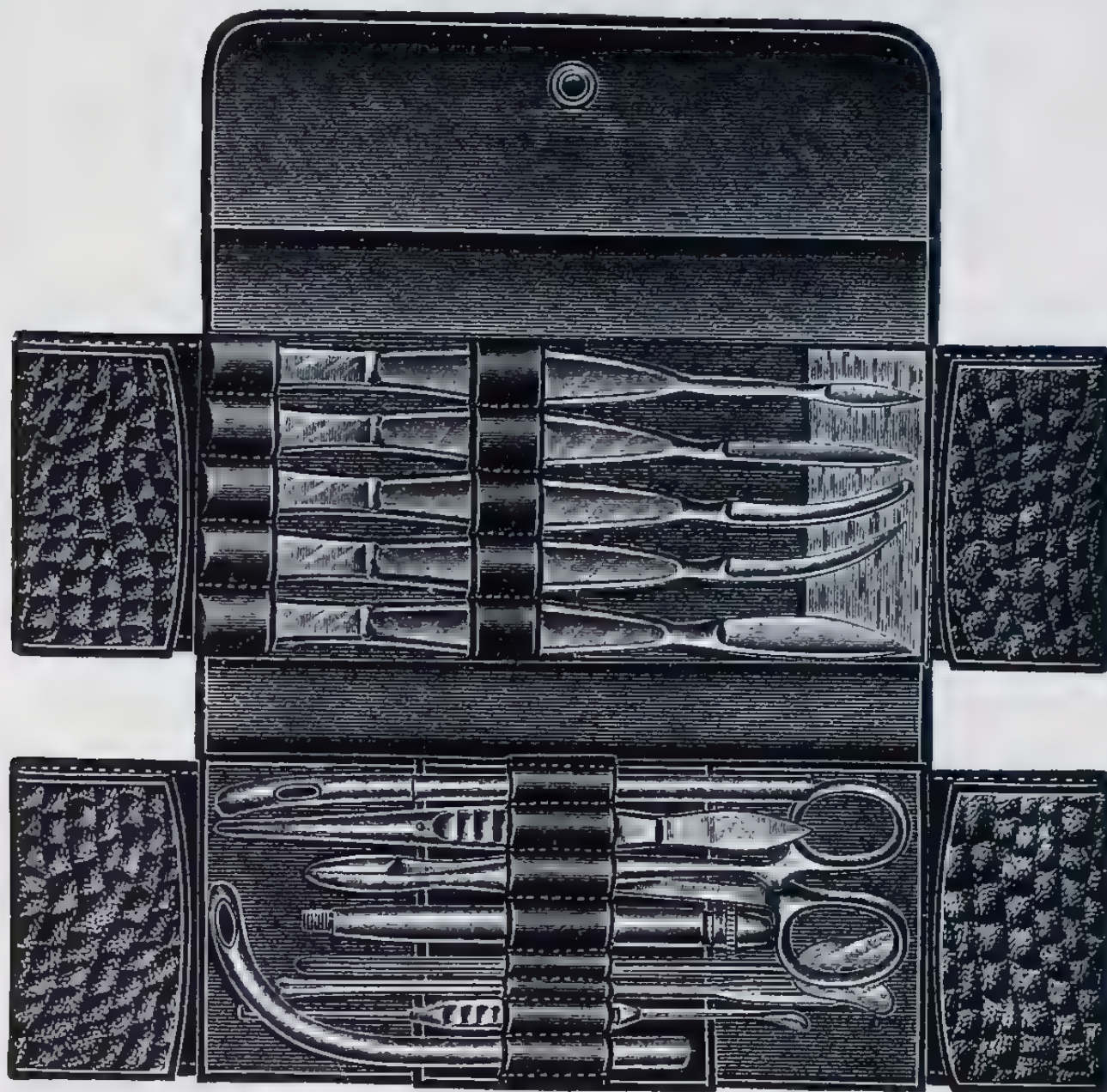
B-2860

- *B-2865 **Pocket Case**, contents: 4 long concaved handle knives, 1 straight scissors, 1 thumb forceps, 1 Pean's forceps, 1 exploring needle, 1 ear spoon and director, 2 probes, 1 needle holder, needles and silk.

- *B-2866 **Pocket Case**, contents: same as B-2865, but with plain handle knives.

Cases put up in black morocco grain leather.

Pocket Cases



B-2868

B-2868 Pocket Case, contents: 5 long concaved handle knives, 1 Parker's catheter and caustic holder, 1 thumb forceps, 1 straight scissors, 1 Pean's needle forceps, 1 ear hook and spoon, 1 director and tongue tie, 2 probes, needles and silk.

***B-2869 Pocket Case**, contents: same as B-2868, but with plain handle knives.

Cases put up in black morocco grain leather.



B-2875

B-2875 Pocket Case, in genuine calf case.

Contents

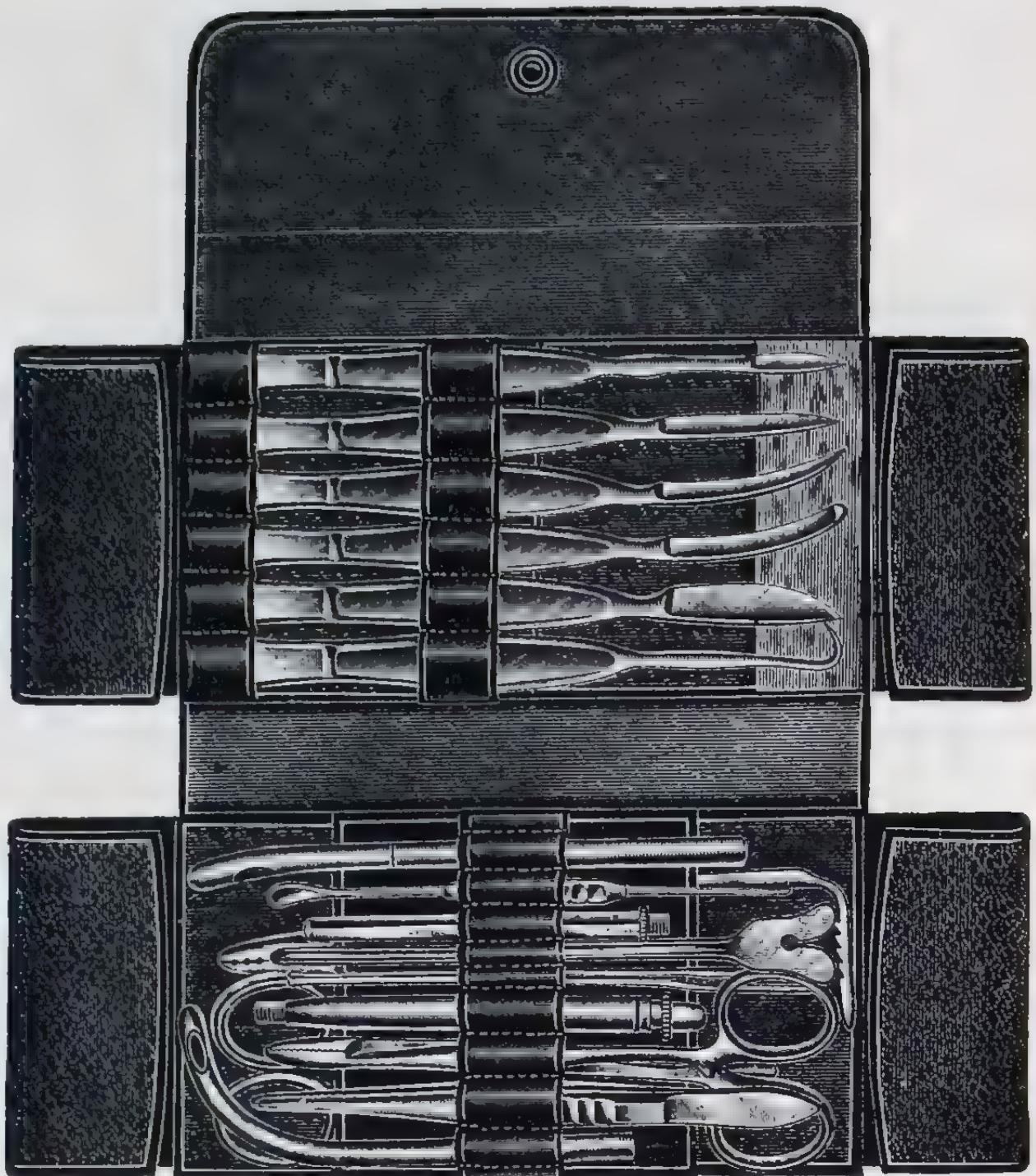
6 Little's knives, assorted
1 Pean's haemostatic forceps
1 Jones' haemostatic forceps
1 straight scissors
1 thumb forceps
1 Parker's combined catheter
1 Gross' ear spoon and hook
1 director with tongue tie
1 pair of probes
Needles and silk

Pocket Cases

B-2880 Pocket Case, contents: 6 long concaved handle knives, 1 thumb forceps, 1 Keen's needle holder, 1 straight scissors, 4½ inches, 1 Pean's forceps, 1 ear hook and spoon, 1 Parker's combined catheter and caustic holder, 1 exploring needle, 1 director and tongue tie, 2 probes, needles and silk.

***B-2881 Pocket Case**, contents: Same as B-2880, but with plain handle knives.

Cases put up in genuine morocco.

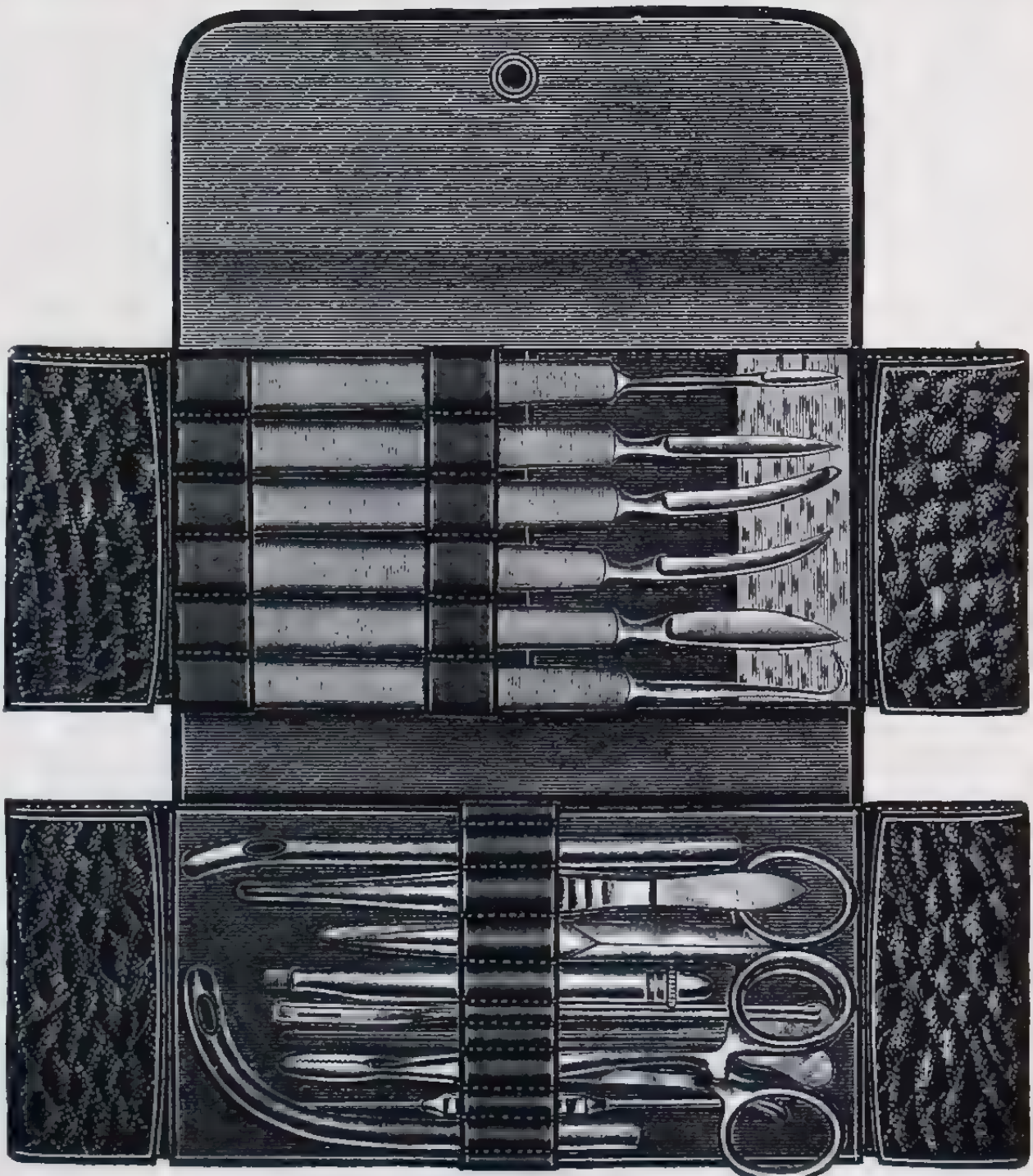


B-2880

B-2885 Pocket Case, contents: 6 long plain handle Little's knives, 1 straight scissors, 1 Parker's catheter with caustic holder, 1 Pean's needle forceps, 1 thumb forceps, 1 director and tongue tie, 1 ear hook and spoon, 2 probes, needles and silk.

***B-2886 Pocket Case**, contents: same as B-2885, but with fine concaved handle knives.

Cases put up in black morocco and seal grain leathers.



B-2885

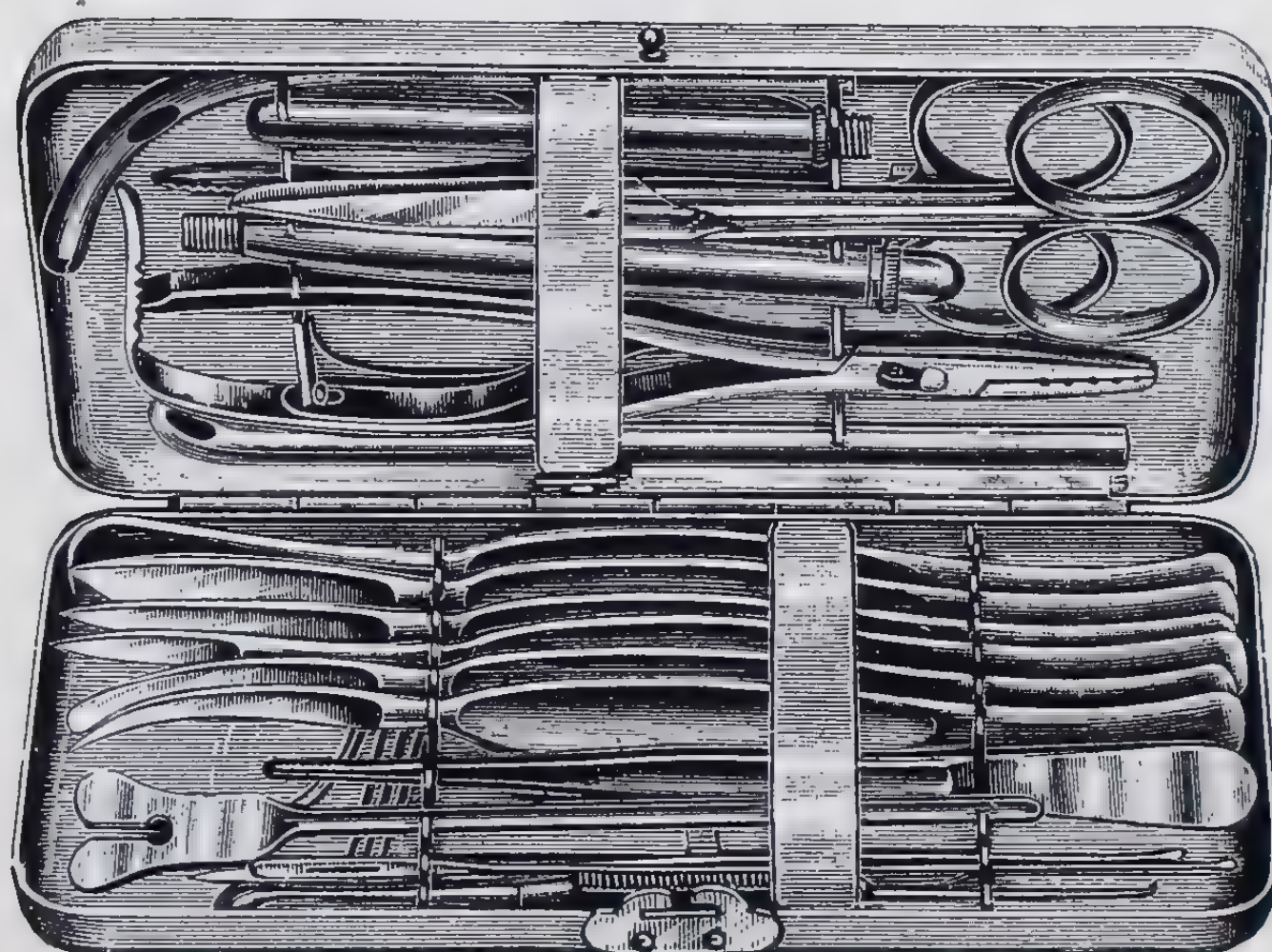
Pocket Cases



B-2870

- B-2870 **The Whitmarsh-Douglass Pocket Case**, plain handled knives, plain leather case.
 *B-2871 **The Whitmarsh-Douglass Pocket Case**, concave handle knives, plain leather case.
 *B-2872 **The Whitmarsh-Douglass Pocket Case**, plain handle knives, khaki case.
 *B-2873 **The Whitmarsh-Douglass Pocket Case**, concave handle knives, khaki case.
 *B-2874 **The Whitmarsh-Douglass Pocket Case**, concave handle knives in fine grained black morocco case.

Contents: 1 scalpel, 1 curved sharp bistoury, 1 curved blunt bistoury, 1 straight sharp bistoury, 1 tenatome, 1 Pean's haemostatic forceps, 1 straight scissors, 1 spring dressing forceps, 1 groove director and tongue tie, 1 Gross' ear instrument, 1 male and female combined catheter with caustic holder, 1 pair silver probes, 1 dozen assorted needles, 1 card twisted silk.

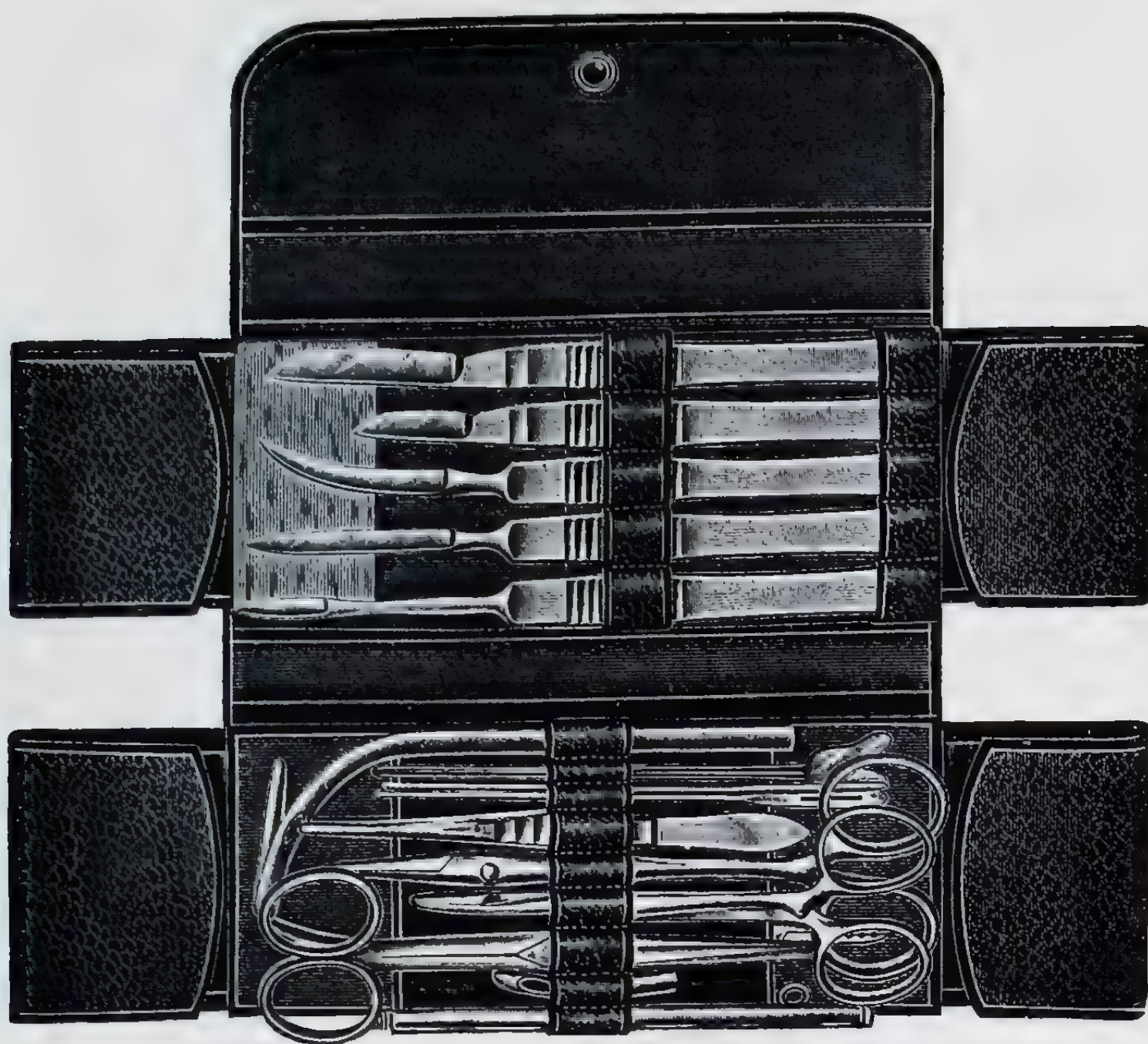


B-2880

- B-2880 **Little's Metal Aseptic Case**, with fine concaved handle knives.

- *B-2881 **Little's Metal Aseptic Pocket Case**, with plain handle knives.

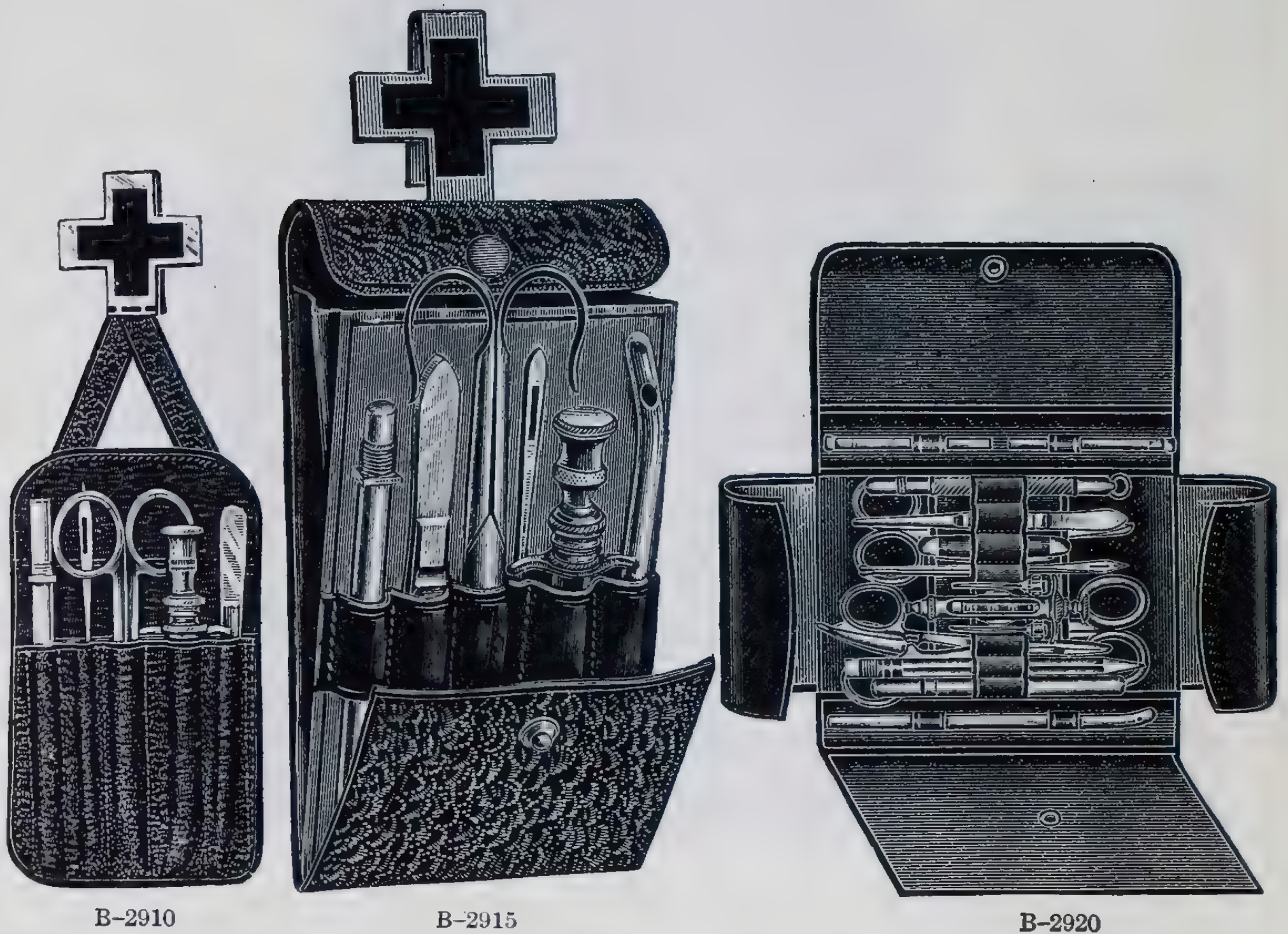
Contents: 6 special fine Little's knives, 1 fine scissors, 1 Pean's forceps, 1 Parker's catheter with caustic holder, 1 Keen's needle holder, 1 Gross' ear hook and spoon, 1 metal exploring needle, 1 flat end director, 2 probes, 1 thumb dressing forceps, needles and silk. Case made of German silver, heavily plated. Racks are of metal and can be removed from the case. Measurements, 5 $\frac{5}{8}$ inches long, 1 $\frac{3}{4}$ inches wide, $\frac{1}{8}$ inch thick, furnished with cloth button pouch for carrying.



B-2885

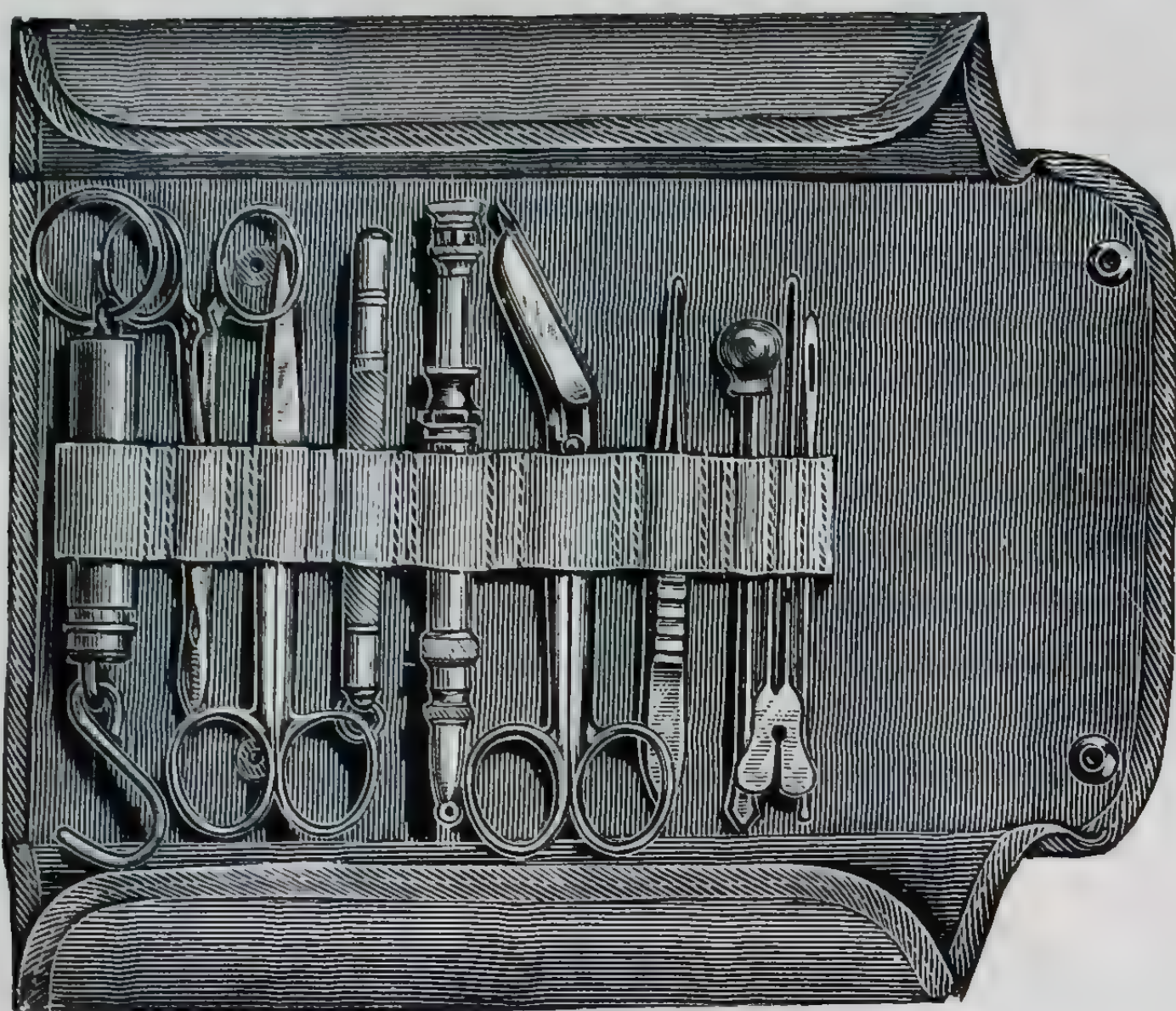
Pocket Cases and Nurses' Cases

- B-2885 **The Jefferson Pocket Case**, contents: 5 operating knives, 1 haemostatic forceps, Kelly's, 1 Mathieu needle holder, 1 haemostatic forceps, Pean's, 1 straight scissors, 5½ inches, 1 male and female combined catheter, 1 spring dressing forceps, 4½ inches, 1 groove director and tongue tie, 1 pair silver probes, 4½ inches, 1 dozen needles, assorted, 1 card twisted silk.
- *B-2895 **Nurses' Pocket Case**, contents: 1 hypodermic syringe, 1 scissors, 1 haemostatic and dressing forceps, 1 glass female catheter, 1 clinical thermometer, in round cornered satin lined case, covered with chocolate colored morocco.
- *B-2900 **Nurses' Pocket Case**, contents: 1 male and female catheter, 1 clinical thermometer, 1 scissors, 1 thumb dressing forceps, 1 pair probes; case is made of fine black grain leather; pocket case style; very neat and compact.
- *B-2905 **Nurses' Pocket Case, Bellevue Hospital**, contents: 1 silver female catheter, 1 thermometer with certificate, 1 fine scissors, 1 Pean's haemostatic forceps, 1 silver probe, 1 fine thumb dressing forceps; case is of black morocco.
- *B-2906 **Nurses' Pocket Case, Bellevue Hospital**, same contents as B-2905, but with plated catheter.



Nurses' Cases

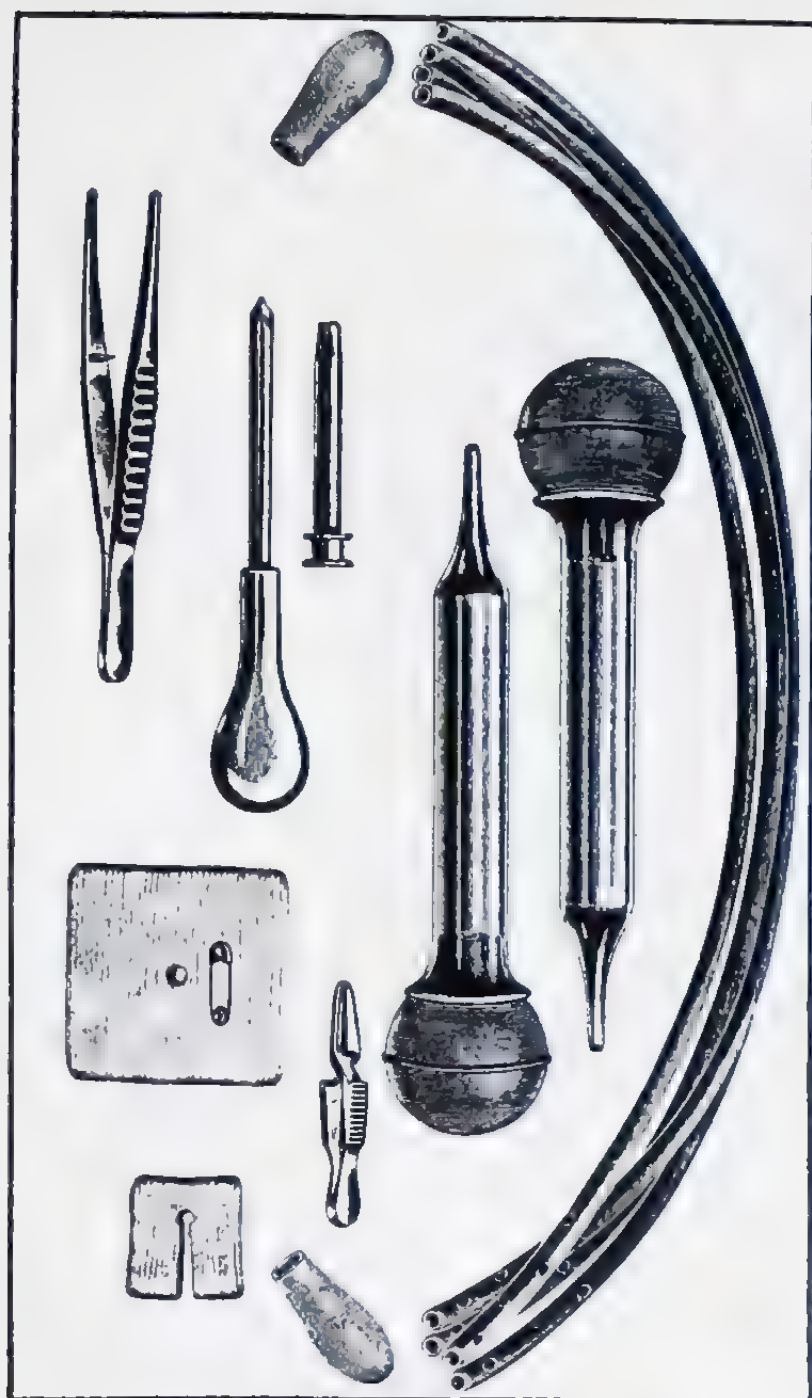
- B-2910 **Nurses' Chatelaine Case**, without closing flaps, furnished with red cross or black chatelaine hook, contents: 1 thumb forceps, 1 all metal hypodermic syringe with needles, 1 scissors, 1 probe, 1 clinical thermometer in metal case, 1 female catheter.
- B-2915 **Nurses' Chatelaine Case**, with closing flaps, furnished with red cross or black chatelaine hook, contents: 1 thumb forceps, 1 all metal hypodermic syringe with needles, 1 scissors, 1 probe, 1 clinical thermometer, in metal case, 1 female catheter, plated; case is made of black morocco or monkey leather grain.
- *B-2916 **Nurses' Chatelaine Case**, same as B-2915, but in khaki case with red cross hook.
- B-2920 **Nurses' Companion, Pocket Case**, contents: bath thermometer, fine quality, minute clinical thermometer, hypodermic syringe with glass barrel, leather expanding piston, 2 hypodermic needles, Pean's forceps, straight scissors, angular bandage scissors, thumb forceps, pocket knife with 2 blades, pair of probes, lead pencil, 2 hypodermic vials, glass catheter, in folding leather case.



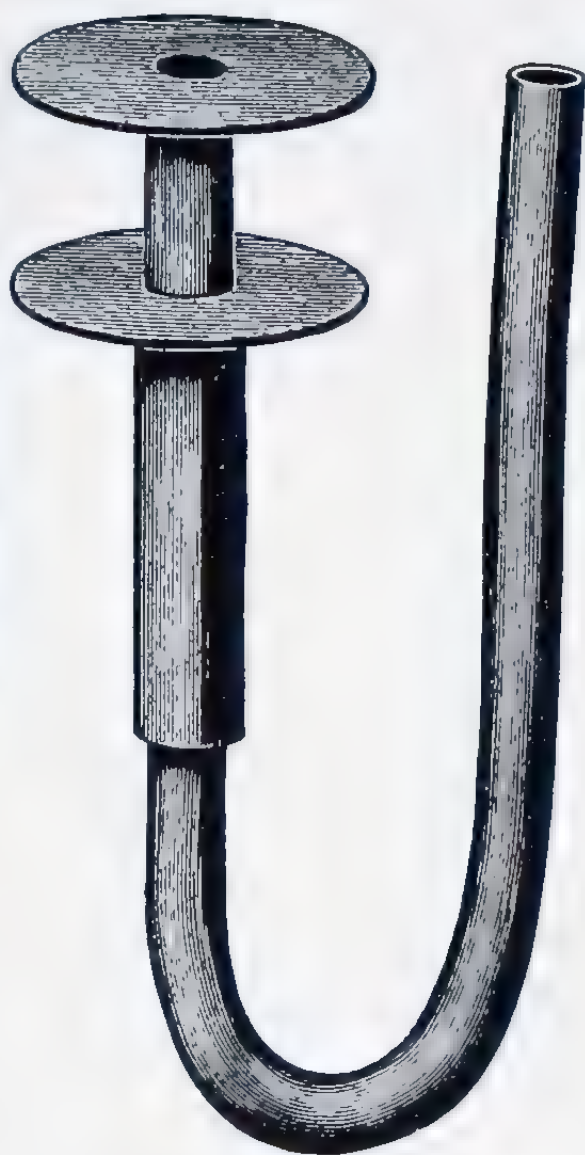
B-2925

Nurses' and Minor and General Operating Cases

- B-2925 **Training School Nurses' Set**, contents: 1 probe, 1 director and tongue tie, 1 combined hypodermic syringe with solid gold needle and a one minute clinical thermometer, 1 dressing forceps, 1 bandage scissors, 1 straight scissors, 1 bath thermometer in plated case, 1 haemostatic forceps, and 1 baby scale, put up in very neat tan canvas of special quality.
- *B-2940 **Compact Operating Set**, contents: large amputating saw, removable handle; Liston's 8½ inch bone forceps, with spring; 3 Pean's haemostatic forceps, curved scissors, Keen's needle holder, 5 inches; Esmarch's tourniquet with hook and chain, amputating knife, 7 metal handle operating knives, assorted blades to suit; flat end director, pair of probes, needles and silk; this case is extremely compact and well arranged; every instrument is perfectly aseptic, and mounted in two metal removable racks; the case is handsome and durable with metal corners and has a comfortable handle; the racks are either nickel plated or aluminum, as desired, the latter being considerably lighter.
- *B-2941 **Compact Operating Set**, same as B-2940, but with Galt's trephine and elevator and raspatory added.
- *B-2945 **Compact General Operating Set**, in morocco covered case, contents: large amputating saw, removable handle, medium amputating knife, small Catlin knife; 7 best Minor operating knives, assorted blades to suit; Esmarch's tourniquet, Galt's trephine, Hey's skull saw, trephining elevator and raspatory; 8½ inch bone forceps with spring; large size double end Volkman's bone curette; bone chisel, bone gouge, 2 Tait's haemostatic forceps; 1 reversible metal handle trocar, angular bandage shears, 2 Pean's haemostatic forceps, straight scissors, curved scissors, thumb dressing forceps, lifting back metacarpal saw, large Keen's needle holder, pair Parker's retractors, American bullet forceps with catch, Nelaton's porcelain head bullet probe, pair plated probes, director and aneurism needle, needles and silk assorted.
- *B-2946 **Compact General Operating Set**, same as B-2945, but in sole leather case.



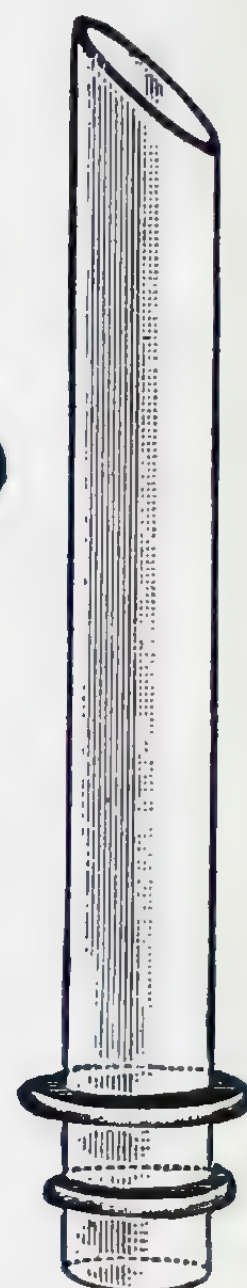
B-2960



B-2980



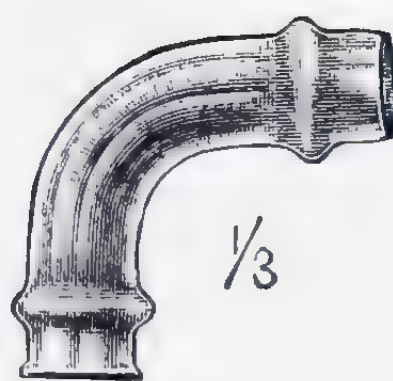
B-2986



B-2988



B-2995



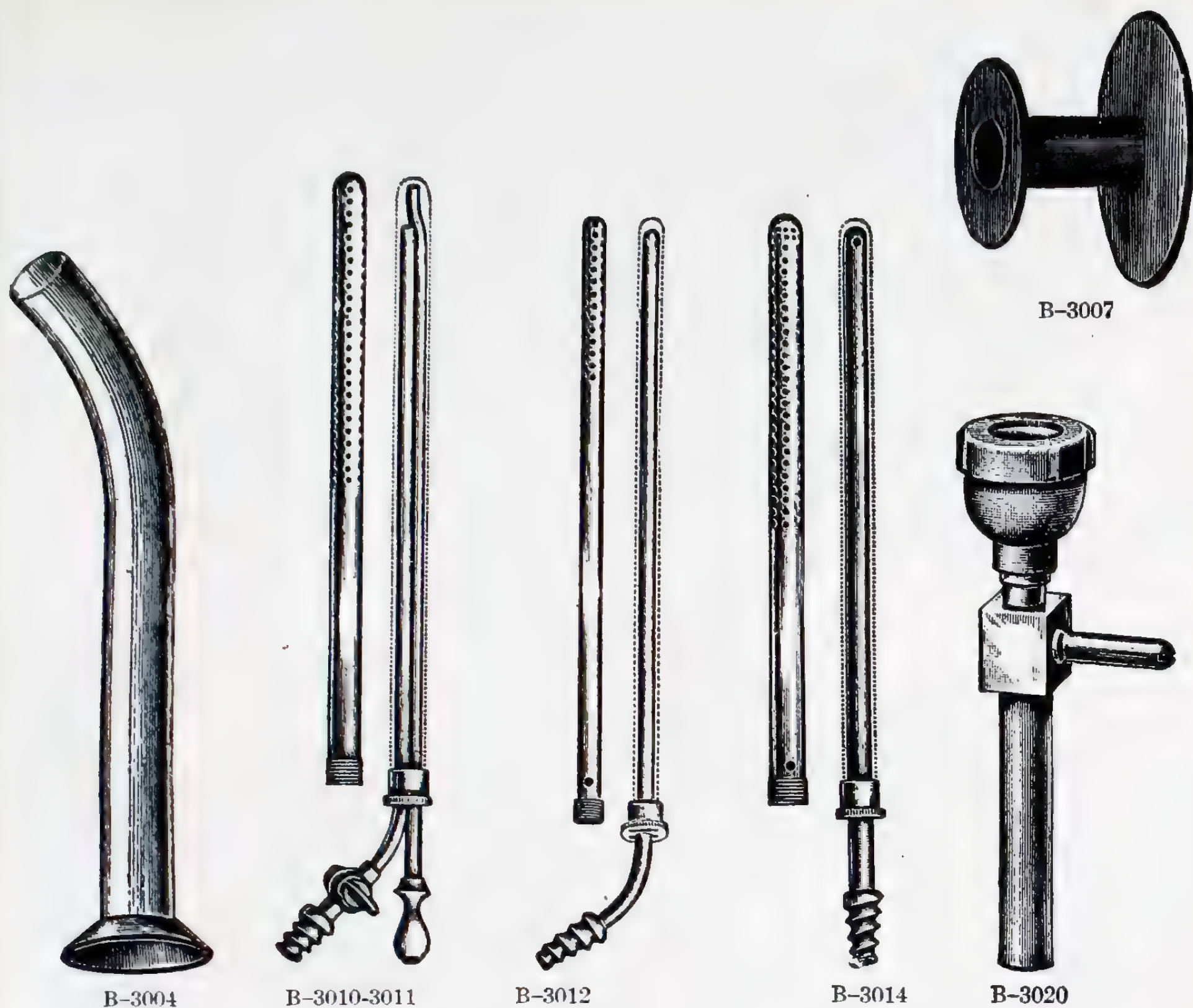
B-2996



B-2982

Drainage Apparatus and Tubes

- *B-2955 Behan's Empyema Outfit.
- B-2960 Mozingo's Empyema Apparatus, complete as shown.
- *B-2962 Saugmann's Pneumo-thorax Apparatus.
- *B-2964 Forlanini's Pneumo-thorax Needle, with slip connection.
- *B-2966 Robinson-Brauer's Pneumo-thorax Trocar. See B-2625.
- B-2980 Brewer's, soft rubber, for empyema, 2 sizes.
- B-2982 Colton's, metal, plated, 3 sizes.
- *B-2984 Ferguson's, silver, prostatic.
- B-2986 Kelly's, soft rubber, for pelvic abscess.
- B-2988 Moynihan's, glass, abdominal, straight.
- B-2989 Moynihan's, glass, abdominal, curved, 3 sizes.
- B-2995 Paul's, glass, for small intestine, 3 sizes.
- B-2996 Paul's, glass, for large intestine, 3 sizes.

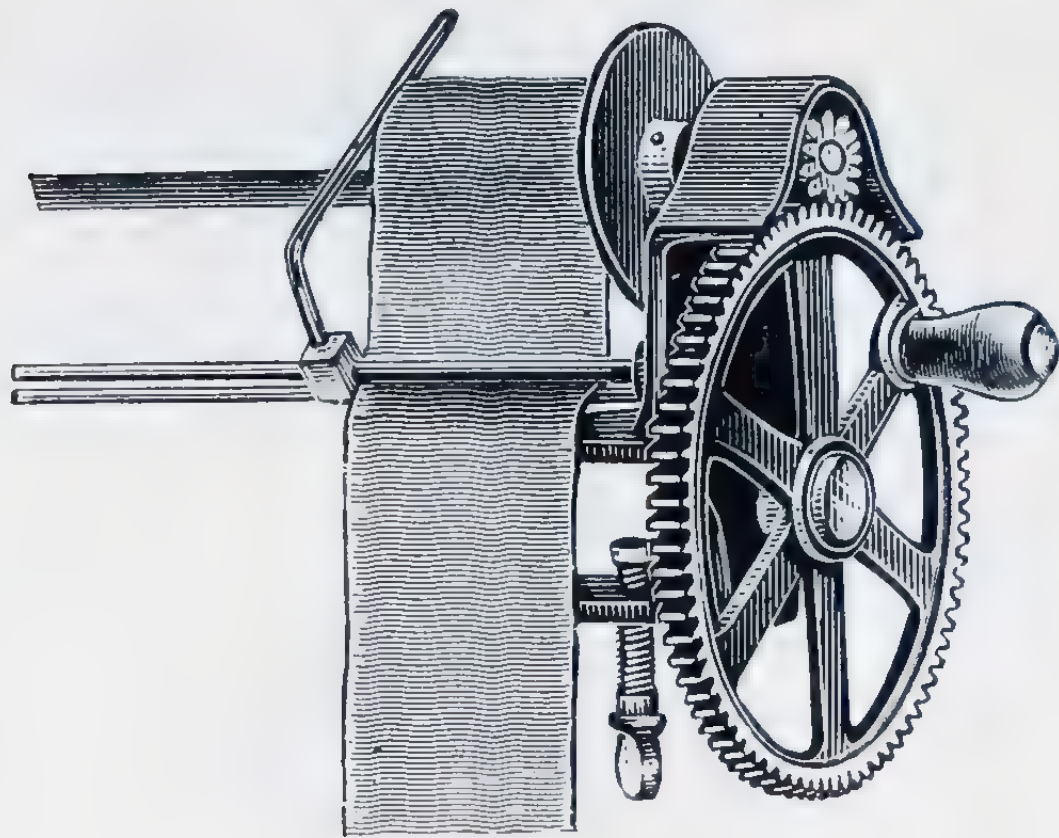


Drainage Tubes

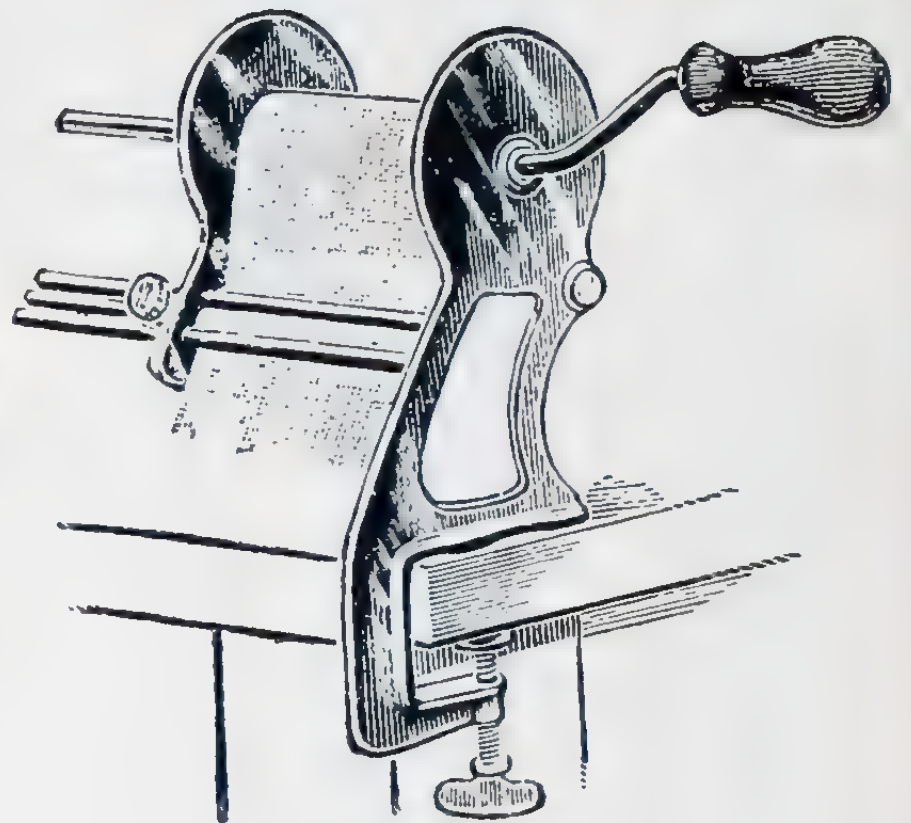
- *B-2998 Plain, soft rubber, assorted sizes.
- *B-3000 Perforated, soft rubber, assorted sizes.
- *B-3002 **Thomas'**, glass, straight, plain.
- *B-3003 **Thomas'**, glass, straight, perforated.
- B-3004 **Thomas'**, glass, curved, plain.
- *B-3005 **Thomas'**, glass, curved, perforated.
- B-3007 **Wilson's**, soft rubber, for empyema, 3 sizes.

Irrigating and Suction Tubes

- B-3010 **Poole's**, Abdominal Irrigator, with stop cock, 9 inches long, 30 French scale.
- B-3011 **Poole's**, Abdominal Irrigator, with stop cock, 13 inches long, 1 inch in diameter.
- B-3012 **Poole's**, Abdominal Suction Tube, $8\frac{3}{4}$ inches long, 23 French scale.
- B-3014 **Poole's**, Abdominal Suction Tube, $8\frac{3}{4}$ inches long, 30 French scale.
- B-3020 **Chapman's** Water Suction Pump, for above, with soft rubber slip connection.
- *B-3021 **Chapman's** Water Suction Pump, for above, with metal screw cap connection.



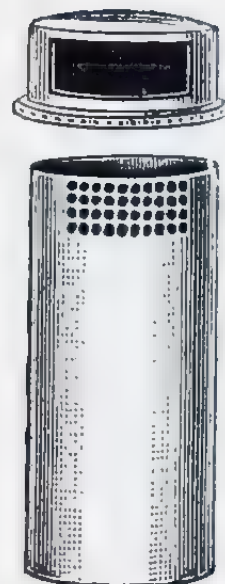
B-3030



B-3032



B-3034



B-3040



B-3050



B-3055

Bandage Rollers

- B-3030 **Douglass**, geared, rapid winding.
- B-3032 **Jobse's**, nickel-plated, with one table clamp.
- B-3034 **Jobse's**, nickel-plated, with two table clamps.

Iodoform Boxes

- B-3040 **Fowler's**, metal, nickel-plated.
- *B-3041 **Fowler's**, metal, nickel-plated, with 3 compartments.
- *B-3045 **Green's**, glass, with hard rubber mountings.
- B-3050 Hard Rubber, medium.

Sundries

- B-3055 **Gosman's** Rust Preventif, in collapsible tube.
- *B-3056 **Gosman's** Rust Preventif, small jar.
- *B-3057 **Gosman's** Rust Preventif, large jar.
- *B-3060 **Halstead's** Silver Foil, for dressing, 24 leaf books.



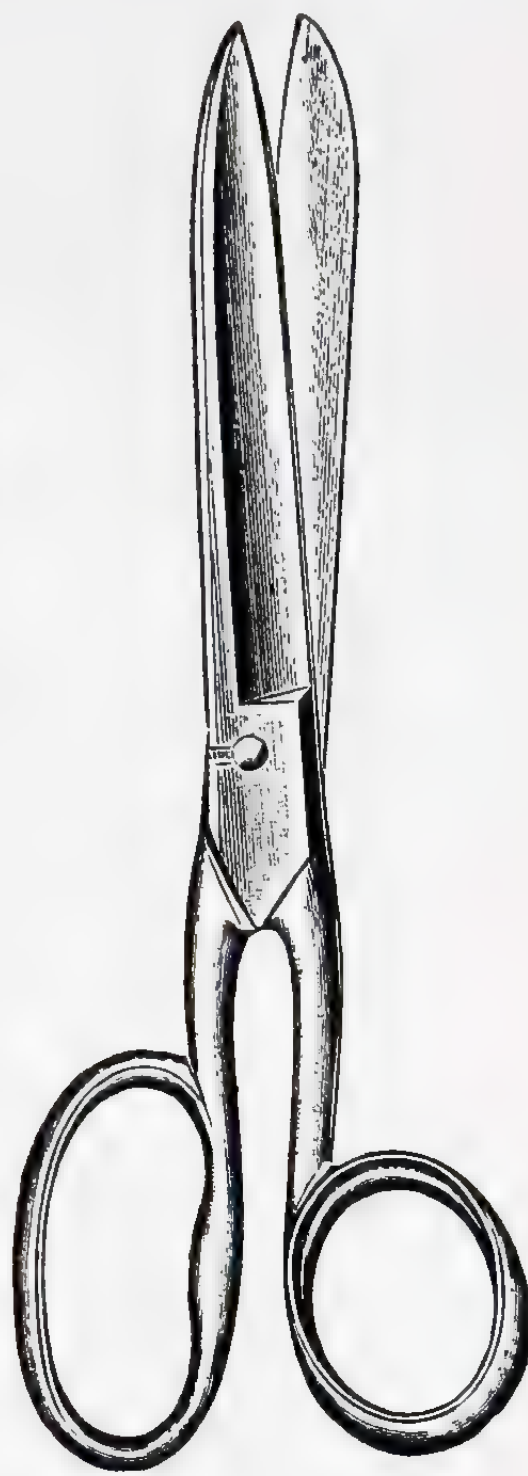
B-3080



B-3085



B-3090



B-3100



B-3105



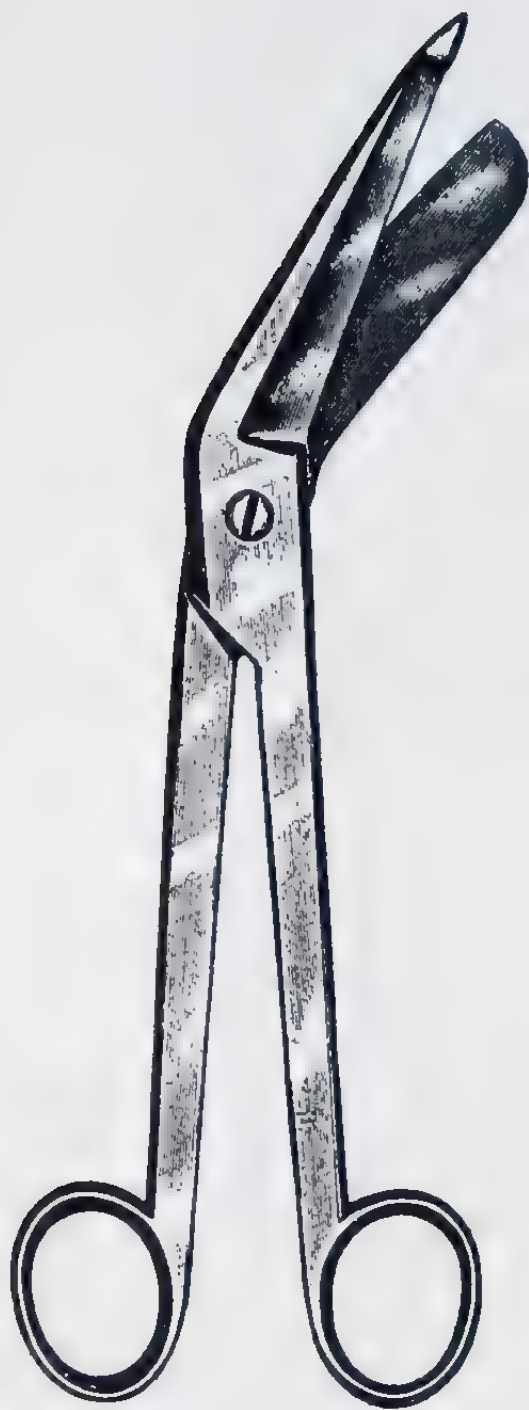
B-3110

Bandage Scissors

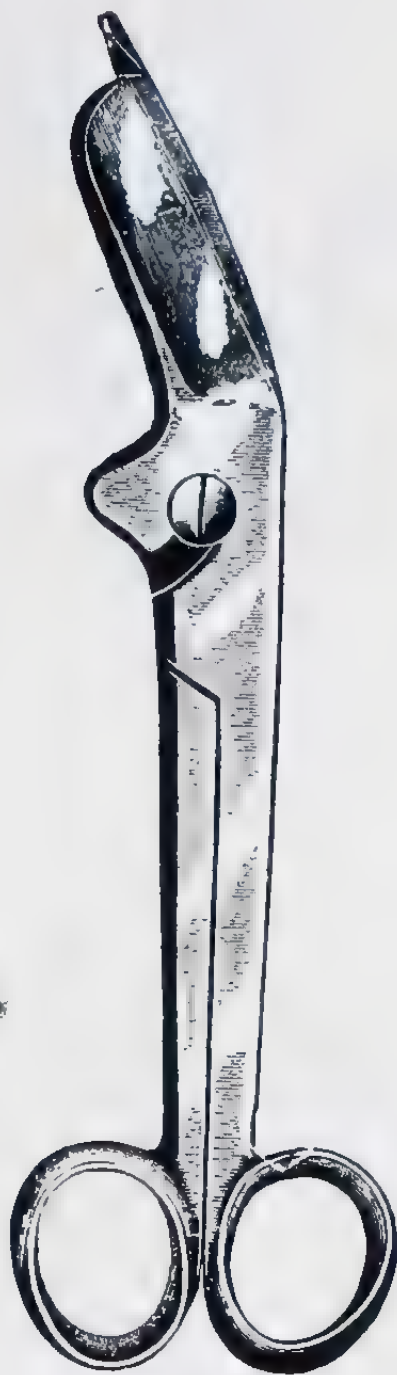
- B-3080 Gauze, heavy pattern, 6½ inches and 7 inches.
- B-3085 Gauze, extra heavy pattern, 6½ inches and 7¾ inches.
- B-3090 **Lister's**, 4½ inches, 5½ inches, 7 inches and 8 inches.
- *B-3095 **Lister's**, with square shanks, 6 inches and 7 inches.
- B-3100 U. S. A. pattern.

Plaster Bandage Knives

- B-3105 Curved blade.
- B-3110 **Esmarch's**, with wedge.



B-3115-3116



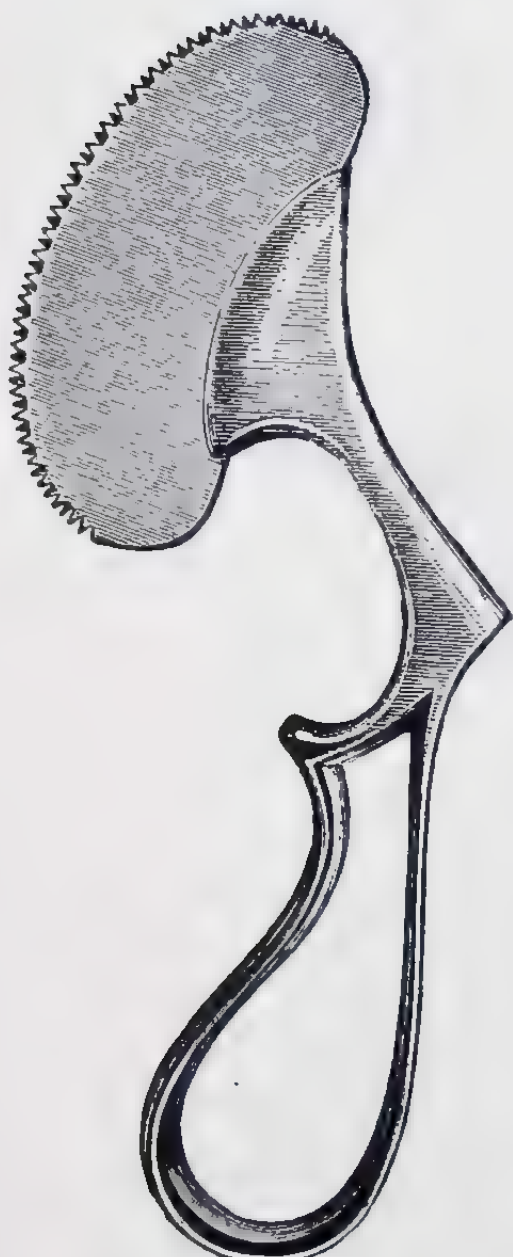
B-3120-3121



B-3125



B-3135



B-3165

Plaster Bandage Shears

- B-3115 Esmarch's, 8 inches.
- B-3116 Esmarch's, 9¼ inches.
- B-3120 Esmarch's, with eccentric joint, 8 inches.
- B-3121 Esmarch's, with eccentric joint, 9¼ inches.
- B-3125 Esmarch's, New York Hospital pattern.
- *B-3130 Seutin's.
- *B-3131 Seutin's, with eccentric joint.
- B-3135 Stille's, 9 inches, for one hand.
- *B-3140 Stille's, 14½ inches, heavy, for two hands.
- *B-3145 Wight's.

Plaster Bandage Saws

- *B-3160 Bergmann's.
- B-3165 Engel's.

Surgical Dressings

Gauze, Sterilized

- B-3200 1 yard in carton, plain.
- B-3201 5 yards in carton, plain.
- B-3202 25 yards in carton, plain.
- B-3203 100-yard rolls, **Unsterilized.**
- B-3210 1 yard, plain, moist, in glass jar.
- B-3211 5 yards, plain, moist, in glass jar.
- B-3212 1 yard, sublimated, moist, in glass jar.
- B-3213 5 yards, sublimated, moist, in glass jar.
- B-3214 1 yard, iodoform, moist, in glass jar.
- B-3215 5 yards, iodoform, moist, in glass jar.

Individual Packages

- B-3220 **Individual, No. 1**, each carton contains 10 pieces of gauze, 1 x 18 inches, each piece sterilized and individually wrapped, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform and thymol iodide.
- B-3225 **Individual, No. 2**, each carton contains 5 pieces of gauze, 2 x 18 inches, each piece sterilized and individually wrapped, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform and thymol iodide.
- B-3230 **Individual, No. 3**, each carton contains 2 pieces of gauze 4½ x 36 inches, individually wrapped and sterilized, also put up, 25 pieces in a box, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform, picric acid and thymol iodide.
- B-3235 **Individual, No. 4**, each carton contains 1 piece of gauze, 9 x 36 inches, wrapped and sterilized, also put up, 25 pieces in a box, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform, picric acid and Thymol iodide.
- B-3240 **Individual, No. 5**, this is a piece of gauze, 18 x 36 inches, individually wrapped and sterilized, 25 pieces in a box, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform, picric acid and thymol iodide.

B-3245 **Individual, No. 6**, this is a piece of **close mesh** gauze, 36 x 36 inches, individually wrapped and sterilized, 25 pieces in a box, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform, picric acid and thymol iodide.

B-3250 **Individuals, No. 6 Special**; this is a piece of **medium mesh plain gauze**, 36 inches wide and 36 inches long (1 square yard), individually wrapped and sterilized, 26 pieces in a box.

B-3255 **Individuals, Assorted No. 1**; a complete assortment of gauze dressings, each individually wrapped and sterilized, containing: 10 pieces Individuals No. 6 (1 yard); 10 pieces Individuals No. 5 (½ yard); 10 pieces Individuals No. 4 (¼ yard); 10 pieces Individuals No. 3 (⅛ yard), 2 cartons Individuals No. 2; each carton contains 5 pieces of gauze 2 inches wide, 18 inches long; 2 cartons Individuals No. 1; each carton contains 10 pieces of gauze, 1 inch wide, 18 inches long.

B-3260 **Umbilical Dressing, No. 1**; a compact and sterile dressing for the umbilical cord, consisting of 2 gauze pads, 4 inches square, one being perforated in the centre to slip over the cord, and the other to complete the dressing; an envelope containing 2 pieces of Umbilical Tape, each ten inches long; a tube of boric acid to make a solution for cleansing the infant's eyes and mouth immediately after birth and afterwards for bathing the nipples and washing the baby's mouth before and after nursing. This Umbilical Dressing is distinguished for its convenience, compactness and safety.

B-3265 **Umbilical Dressing, No. 2**; contains the same articles as the Umbilical Dressing No. 1, with the addition of one tube of Umbilical Cord Powder, composed of acid salicylic and starch, and one ampoule silver nitrate solution, 1 per cent, which is intended for instillation into the eyes of infants to prevent ophthalmia neonatorum; the ampoule is of amber glass and is so shaped that it can be opened at both ends; a rubber nipple is included, making the container a medicine dropper.

Surgical Dressings

- B-3270 **Umbilical Tape**, in sealed envelope.
 B-3271 **Umbilical Tape**, 20 yards, in bottle.
 B-3272 **Umbilical Tape**, in sealed tubes.

Gauze Strips in Glass Tubes, Sealed and Sterilized

- B-3275 Plain, aseptic, $\frac{1}{2}$ inch by 6 yards.
 B-3276 Plain, aseptic, 1 inch by $3\frac{1}{2}$ yards.
 B-3280 Iodoform, $\frac{1}{2}$ inch by 6 yards, 5 per cent.
 B-3281 Iodoform, 1 inch by $3\frac{1}{2}$ yards, 5 per cent.
 B-3282 Iodoform, in glass jars, 1 inch by 20 yards,
 5 per cent.
 B-3283 Iodoform, in glass jars, 2 inches by 10 yards,
 5 per cent.

Tampons, Wool

- B-3290 Large, $1 \times 2\frac{3}{4}$ inches approximately, 12 in a
 box.
 B-3291 Small, $\frac{1}{2} \times 2\frac{1}{8}$ inches approximately, 12 in a
 box.

Gauze Bandages, Sterilized, Each Wrapped in Sealed Paper

- B-3292 1 inch by 10 yards.
 B-3293 $1\frac{1}{2}$ inches by 10 yards.
 B-3294 2 inches by 10 yards.
 B-3295 $2\frac{1}{2}$ inches by 10 yards.
 B-3296 3 inches by 10 yards.
 B-3297 $3\frac{1}{2}$ inches by 10 yards.
 B-3298 4 inches by 10 yards.

Cotton Roller Bandages, Unbleached Muslin, Paper Wrapped

- B-3300 1 inch by 5 yards.
 B-3301 2 inches by 5 yards.
 B-3302 3 inches by 5 yards.
 B-3303 4 inches by 5 yards.

Plaster Paris Bandages, Each Bandage in Airtight Metal Container

- B-3305 $1\frac{1}{2}$ inches by 5 yards.
 B-3306 2 inches by 5 yards.
 B-3307 $2\frac{1}{2}$ inches by 5 yards.
 B-3308 3 inches by 5 yards.
 B-3309 $3\frac{1}{2}$ inches by 5 yards.
 B-3310 4 inches by 5 yards.

Adhesive Plaster, Zinc Oxide

- B-3320 7 inches by 1 yard, roll.
 B-3321 12 inches by 5 yards, roll.
 B-3325 $\frac{1}{2}$ inch by 10 yards, on spool.
 B-3326 1 inch by 10 yards, on spool.
 B-3327 $1\frac{1}{2}$ inches by 10 yards, on spool.
 B-3328 2 inches by 10 yards, on spool.
 B-3329 $2\frac{1}{2}$ inches by 10 yards, on spool.
 B-3330 3 inches by 10 yards, on spool.
 B-3331 $3\frac{1}{2}$ inches by 10 yards, on spool.
 B-3332 4 inches by 10 yards, on spool.
 B-3335 7 inches by 1 yard, roll. **On Moleskin Cloth.**
 B-3336 12 inches by 5 yards, roll. **On Moleskin
 Cloth.**

Absorbent Cotton, Sterilized, Fine Quality, Packed in Cartons

- B-3340 1 pound package.
 B-3341 8-ounce package.
 B-3342 4-ounce package.
 B-3343 2-ounce package.
 B-3344 1-ounce package.
 B-3345 $\frac{1}{2}$ ounce package.

Absorbent Cotton, Unsterilized, Plain Quality, in Paper Rolls

- B-3350 1-pound package.

Non-Absorbent Cotton, Sterilized, Packed in Cartons

- B-3355 1-pound package.

Miscellaneous Dressings, etc. Lamb's Wool, Sterilized, in Cartons

- B-3360 1-pound package.
 B-3361 8-ounce package.
 B-3362 4-ounce package.
 B-3363 1-ounce package.

Surgeons' Aseptic Towels

- B-3370 18×24 inches, each in carton.

Simpson's Intra Nasal Tampons

- B-3375 Large size, 4 dozen in box.
 B-3376 Small size, 4 dozen in box.

Redintol Cotton, For Use with Redintol Burn Dressing

- B-3380 100 sheets, 9×12 inches, in box.
 B-3381 1 pound cake, Redintol Burn Dressing.
 B-3385 **Lubricating Jelly**, soluble in water, in
 collapsible tube.
 B-3390 **Gutta Percha Tissue**, 1-yard package.
 B-3391 **Gutta Percha Tissue**, 1-pound package.

Cellosilk

- B-3400 Hospital, heavy, double weight, impervious
 form, 18 inches by 12 feet.
 B-3401 Hospital, single weight, impervious form,
 18 inches by 12 feet.
 B-3402 Standard, heavy, double weight, impervious
 form, 9 inches by 12 feet.
 B-3403 Standard, single weight, impervious form,
 9 inches by 12 feet.
 B-3405 Standard Perforated, double weight, 9 inches
 by 12 feet.

Oiled Silk

- B-3410 30 inches by 1 yard, roll.
 B-3411 30 inches by 5 yards, roll.

Oiled Muslin

- B-3415 36 inches by 1 yard, roll.
 B-3416 36 inches by 5 yards, roll.

Oiled Dressing Paper

- B-3420 24 inches by 25 yards, roll.

Surgeons' Rubber Gloves

- B-3430 Pure Gum, seamless, medium weight, long or
 short fingers, rough or smooth finish.



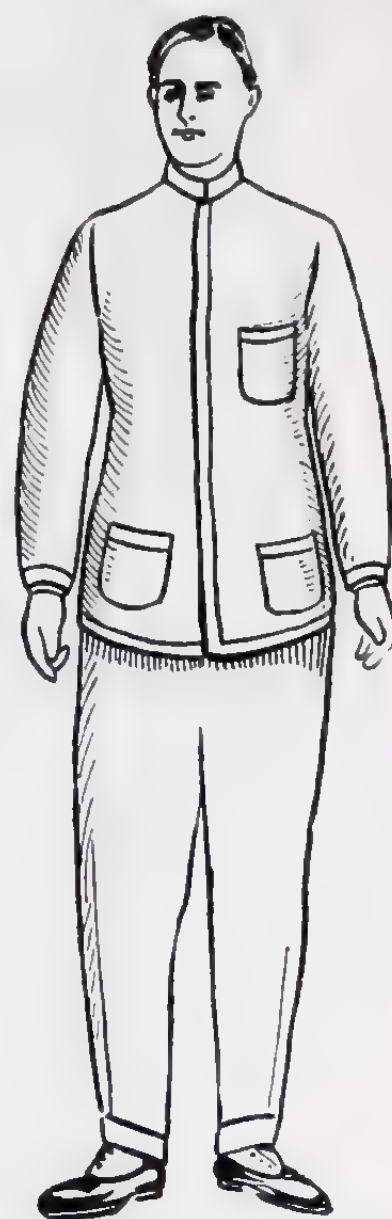
B-3501



B-3506



B-3510



B-3520-3526

Surgeons' and Nurses' Gowns

The regular weight gowns are made of fine grade heavy **Linene**.

The lightweight gowns are made of fine grade **Muslin**.

When ordering, specify whether regular weight or lightweight are desired.

Regular stock sizes of Surgeons' Gowns are:

Chest: 38 inches, 40 inches, 42 inches, 44 inches, 46 inches, 48 inches, 48 inches.

Waist: 50 inches, 50 inches, 52 inches, 54 inches, 56 inches, 58 inches, 60 inches.

Special sizes are made to order

*B-3500 Standard Gowns, long sleeves.

B-3501 Standard Gowns, short sleeves.

*B-3505 Yoke Gowns, long sleeves.

B-3506 Yoke Gowns, short sleeves.

Regular stock sizes of Nurses' Gowns are:

Bust: 36 inches, 38 inches, 40 inches, 42 inches, 44 inches, 46 inches, 48 inches.

Length: 48 inches, 50 inches, 50 inches, 52 inches, 54 inches, 56 inches, 58 inches.

Special sizes are made to order

B-3510 Nurses' Gowns, high collar, long or short sleeves.

B-3511 Nurses' Gowns, without collar, long or short sleeves.

B-3512 Nurses' Gowns, with V-neck, long or short sleeves.

Regular stock sizes of Operating or of Office Coats are:

Chest: 36 inches, 37 inches, 38 inches, 40 inches, 42 inches, 44 inches, 46 inches, 48 inches.

Pajama style Operating Trousers are made small, medium and large, with draw-strings to tie at waist and plain bottoms which may be rolled up.

Regular stock sizes of Office Trousers are:

Waist: 30 inches, 31 inches, 31 inches, 32 inches, 33 inches, 33 inches, 33 inches, 34 inches,

Inseam: 30 inches, 31 inches, 32 inches, 32 inches, 32 inches, 33 inches, 35 inches, 36 inches,

Waist: 34 inches, 34 inches.

Inseam: 38 inches, 40 inches.

*B-3515 Operating Coats, high neck, military collar, white Linene.

*B-3516 Operating Trousers, pajama style, white Linene.

*B-3518 Operating Suits, one piece, made in small, medium and large.

B-3520 Office Coats, military style, white Linene.

B-3521 Office Coats, military style, heavy white Duck.

B-3525 Office Trousers, military style, white Linene.

B-3525 Office Trousers, military style, heavy white Duck.



B-3530



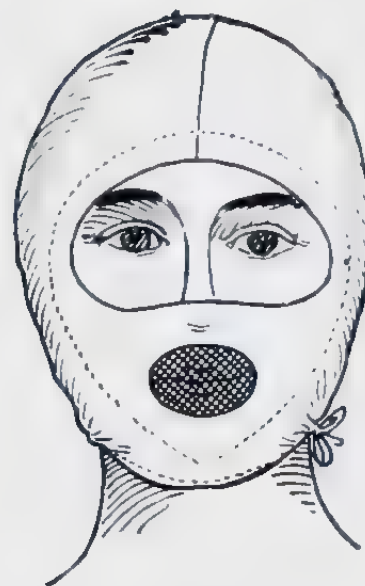
B-3535-3542



B-3555



B-3560



B-3561



B-3566



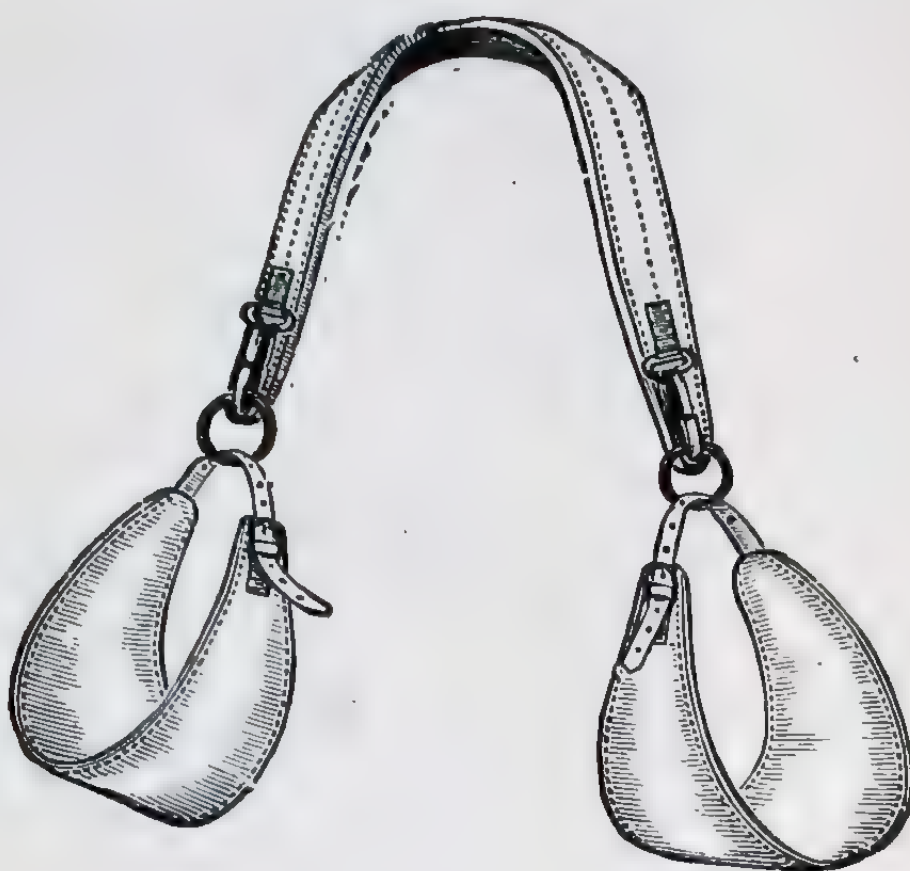
B-3565

Contagious Disease Gowns, Operating Aprons and Caps

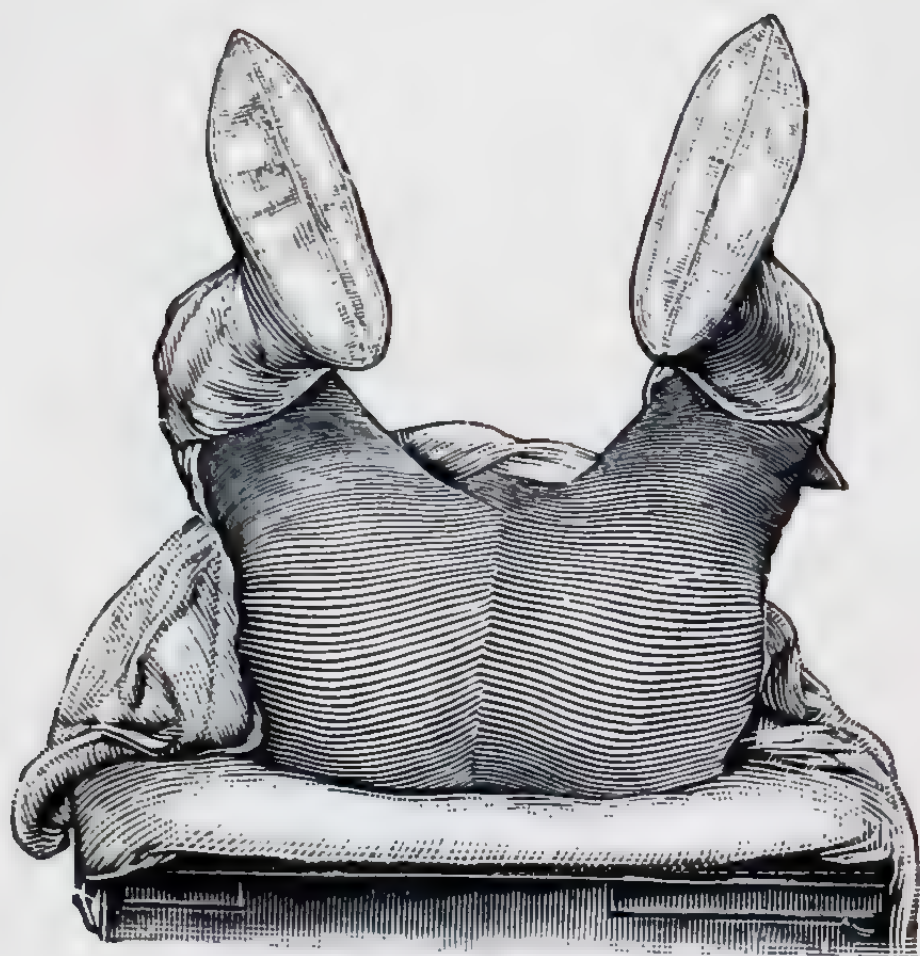
- B-3530 Contagious Disease Gowns, sizes same as operating gowns.
- B-3535 Aprons, white twill, short, 46 inches.
- B-3536 Aprons, white twill, medium, 50 inches.
- B-3537 Aprons, white twill, long, 54 inches.
- B-3540 Aprons, rubber, short, 46 inches.
- B-3541 Aprons, rubber, medium, 50 inches.
- B-3542 Aprons, rubber, long, 54 inches.
- *B-3545 Aprons, **Valentines**, rubber, for use by patient.
- *B-3550 Aprons, oiled fabric, small
- *B-3551 Aprons, oiled fabric, medium.
- *B-3552 Aprons, oiled fabric, large.
- B-3555 Surgeons' Caps, plain.
- *B-3556 Surgeons' Caps, ventilated.
- B-3560 **Mayo's** Head Cover, plain.
- B-3561 **Mayo's** Head Cover, ventilated.
- B-3565 Nurses' Caps, plain.
- B-3566 Nurses' Caps, helmet.
- *B-3570 Surgeons' Operating Shoes, to cover street shoes, small, medium and large.



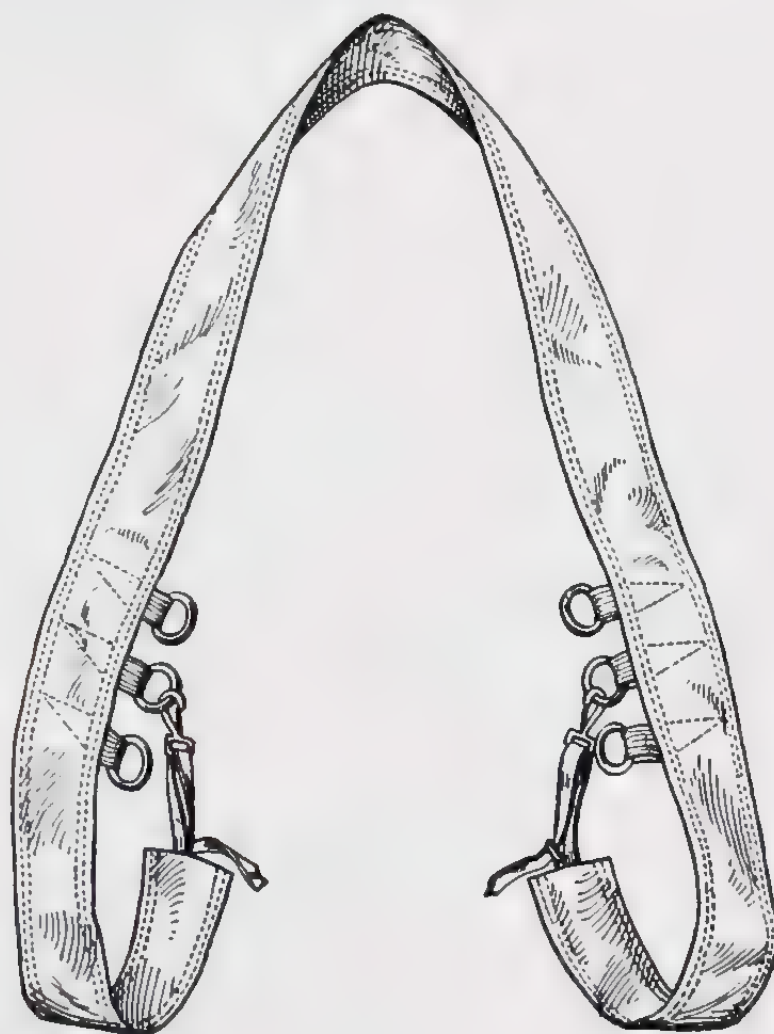
B-3580



B-3585



B-3590



B-3595

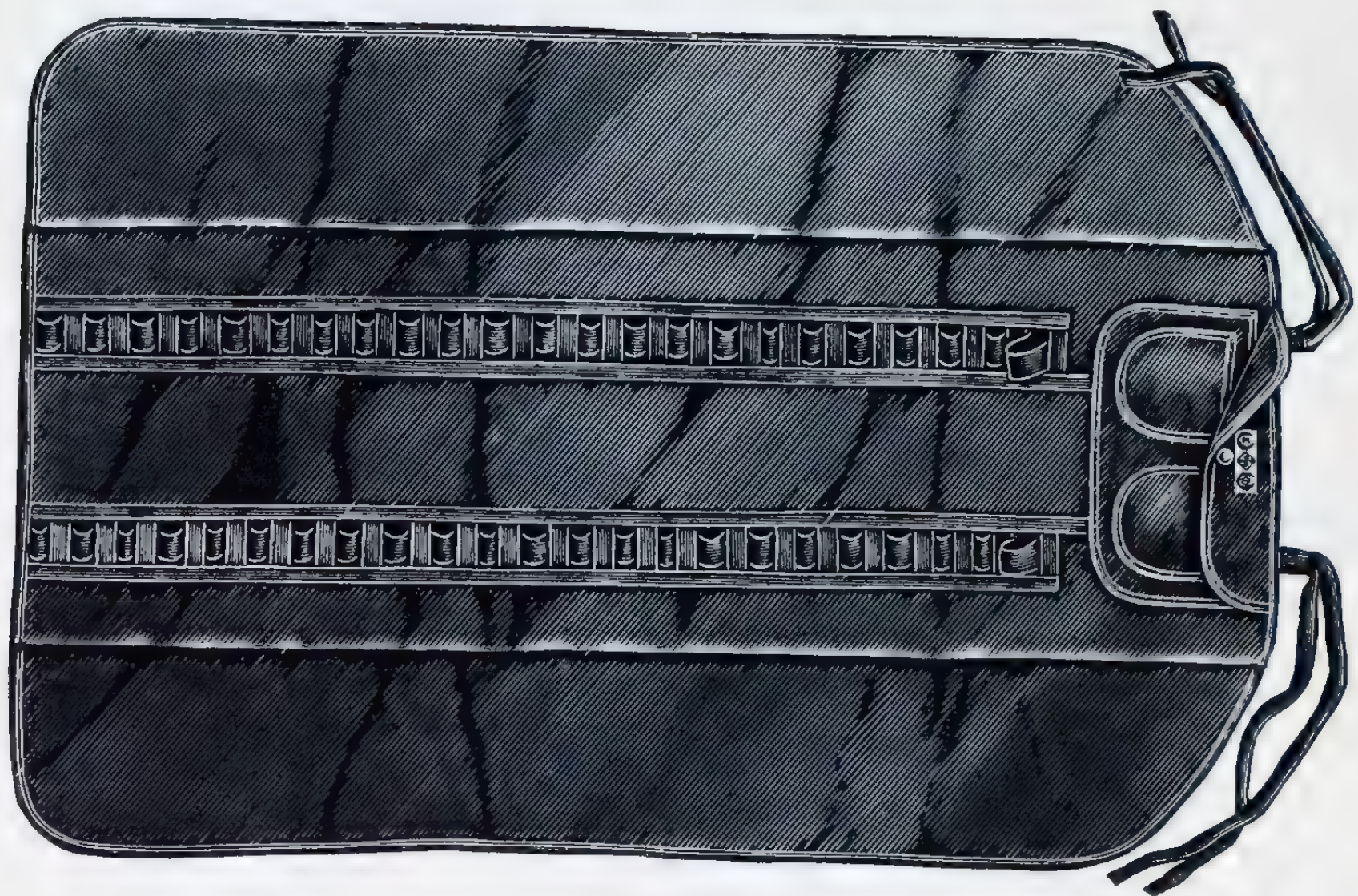
Leg Holders

B-3580 **Clover's** Crutch, lithotomy position, leather covered.

B-3585 **Kelly's**, made of heavy canvas.

B-3590 **Mallet's**, made of heavy canvas.

B-3595 **Robb's**, made of heavy canvas.



B-3600-3635

Instrument Rolls

These rolls are well made and easily washed. They have two large and two small pockets at the end of the roll for sutures and small articles.

They are made with either single or double rows of adjustable loops.

Sizes Nos. 1, 2 and 3 are usually used for Uterine, Urethral and General Operating Instruments. Nos. 4, 5 and 6 are especially designed for Obstetrical instruments.

Special sizes and styles made to order promptly.

White Canvas (regular)

B-3600	No. 1, 12 x 23 inches, 13 single row loops.
B-3601	No. 2, 12 x 29 inches, 17 single row loops.
B-3602	No. 3, 12 x 35 inches, 21 single row loops.
B-3603	No. 4, 15 x 23 inches, 13 single row loops.
B-3604	No. 5, 15 x 29 inches, 17 single row loops.
B-3605	No. 6, 15 x 35 inches, 21 single row loops.
B-3606	No. 7, 9½ x 24 inches, 25 single row loops.
B-3607	No. 8, 8 x 12 inches, 13 single row loops.
B-3608	No. 1, 12 x 23 inches, 13 double row loops.
B-3609	No. 2, 12 x 29 inches, 17 double row loops.
B-3610	No. 3, 12 x 35 inches, 21 double row loops.
B-3611	No. 4, 15 x 23 inches, 13 double row loops.
B-3612	No. 5, 15 x 29 inches, 17 double row loops.
B-3613	No. 6, 15 x 35 inches, 21 double row loops.
B-3614	No. 7, 9½ x 24 inches, 25 double row loops.
B-3615	No. 8, 8 x 12 inches, 13 double row loops.
B-3616	No. 13, 14½ x 32 inches, 22 double row loops.

Special Fast Tan High Grade Khaki

B-3620	No. 1, 12 x 23 inches, 13 single row loops.
B-3621	No. 2, 12 x 29 inches, 17 single row loops.
B-3622	No. 3, 12 x 35 inches, 21 single row loops.
B-3623	No. 4, 15 x 23 inches, 13 single row loops.
B-3624	No. 5, 15 x 29 inches, 17 single row loops.
B-3625	No. 6, 15 x 35 inches, 21 single row loops.
B-3626	No. 7, 9½ x 24 inches, 25 single row loops.
B-3627	No. 8, 8 x 12 inches, 13 single row loops.
B-3628	No. 1, 12 x 23 inches, 13 double row loops.
B-3629	No. 2, 12 x 29 inches, 17 double row loops.
B-3630	No. 3, 12 x 35 inches, 21 double row loops.
B-3631	No. 4, 15 x 23 inches, 13 double row loops.
B-3632	No. 5, 15 x 29 inches, 17 double row loops.
B-3633	No. 6, 15 x 35 inches, 21 double row loops.
B-3634	No. 7, 9½ x 24 inches, 25 double row loops.
B-3635	No. 8, 8 x 12 inches, 13 double row loops.

NOTE—In ordering please specify size and material wanted.

Section "C"



Eye

Ear

Nasal

Dermal

Oral

Tonsil

Tracheal

Laryngeal

Esophageal

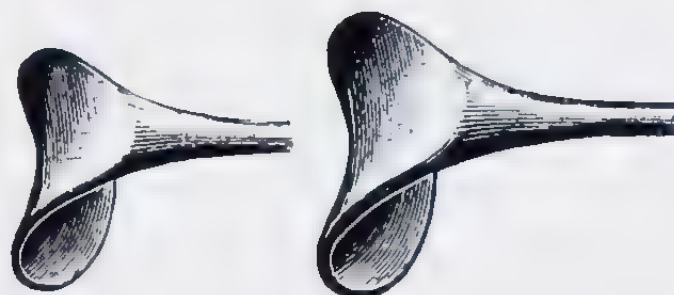
Stomach

Intestinal

Gall Bladder



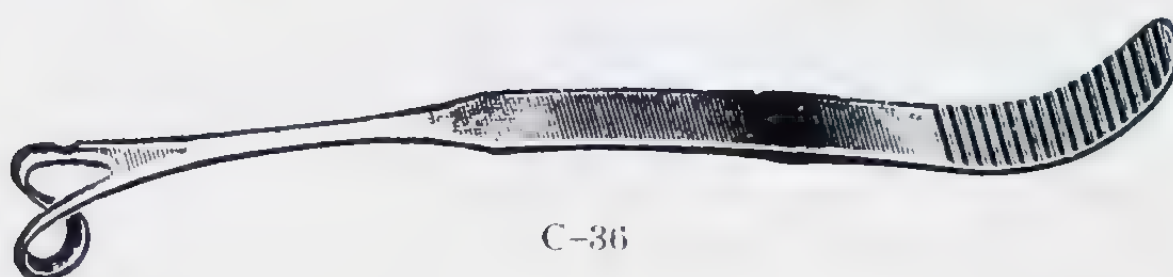
C-10



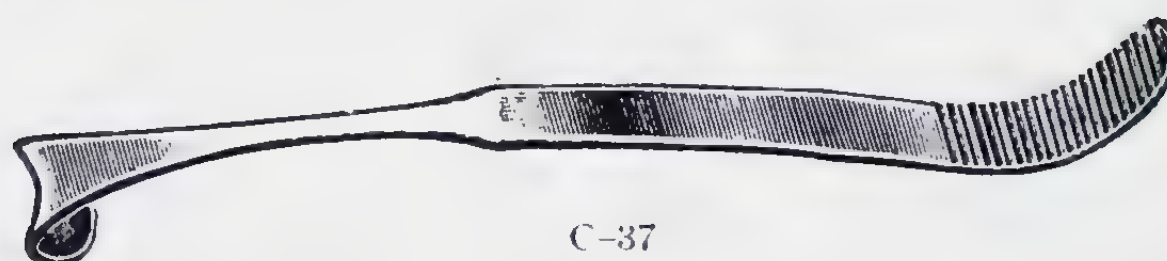
C-30



C-40



C-36



C-37



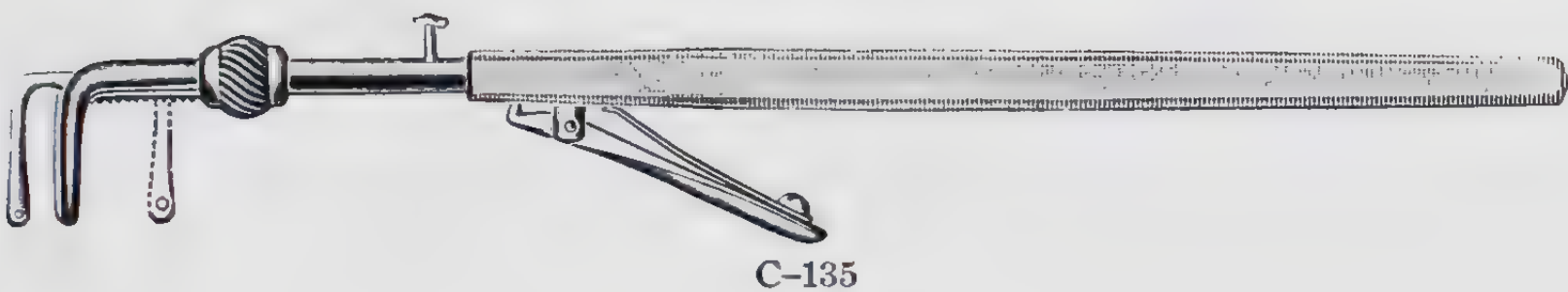
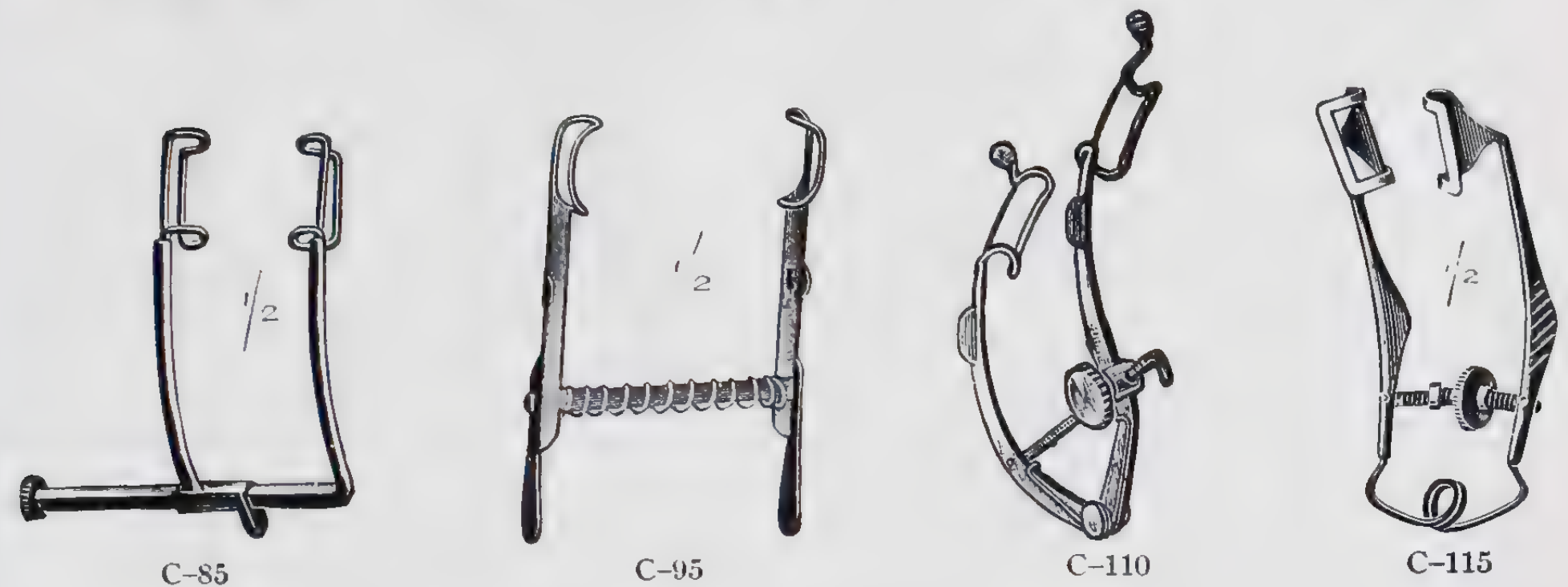
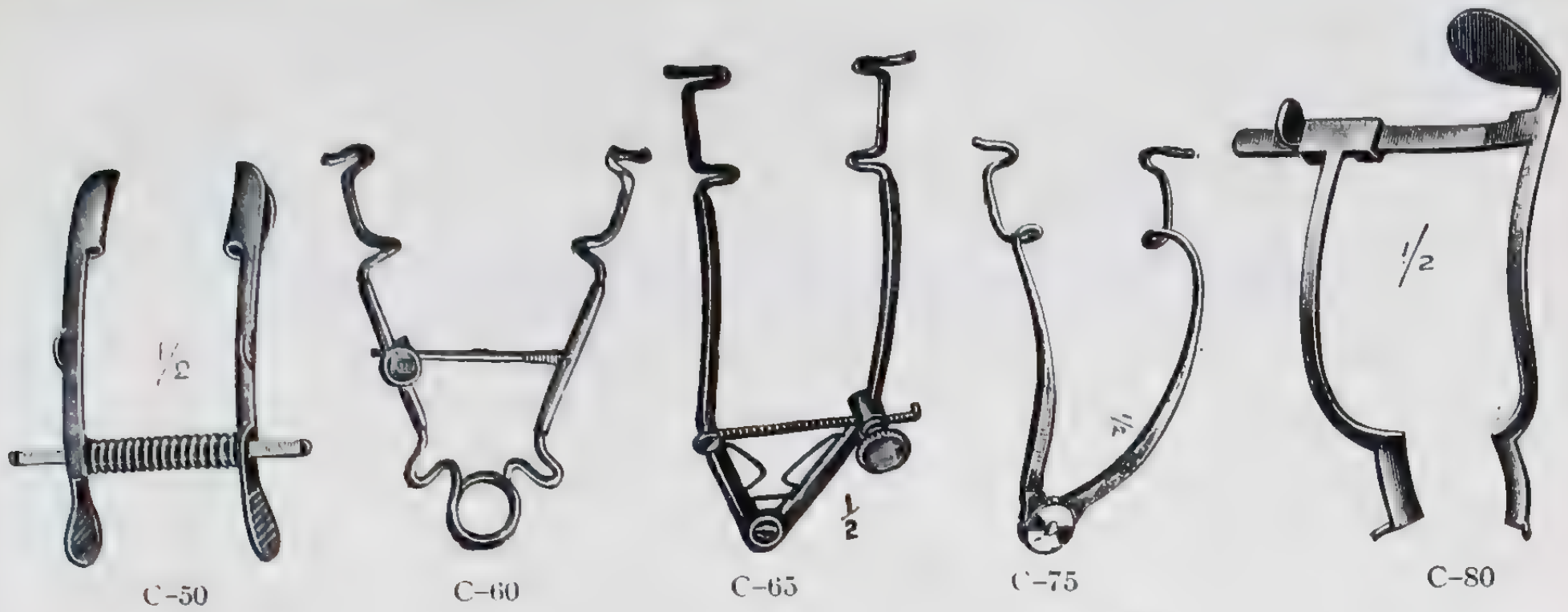
C-38

Condensing Lenses, Illuminators, Ophthalmoscopes and Retinoscopes

- *C- 5 Condensing Lens, 2 inches, hard rubber rim, 13 dioptar.
- *C- 6 Condensing Lens, double, 13 and 20 dioptar.
- *C- 7 Condensing Lens, with metal rim and handle.
- *C- 8 **Dr. Berger's** Loupe with metal head band.
- *C- 9 **Dr. Berger's** Loupe with webbing head band.
- C-10 Ocular Transilluminator, **E.S.I.Co.**
- *C-11 Ophthalmoscope, **Loring's**, 19 lens.
- *C-12 Ophthalmoscope, **Loring's**, electrical, with mirror, in case.
- *C-13 Ophthalmoscope, **Morton's**, electrical, with mirror, on battery handle.
- *C-14 Retinoscope Mirror, plain or concave, 1½ inches, regular handle.
- *C-15 Retinoscope Mirror, plain or concave, 1½ inches, folding handle.
- *C-16 Retinoscope Mirror, **Thorington's**, ¾ inch.
- *C-17 Retinoscope Mirror, **Thorington's**, ¾ inch, with folding cover.
- *C-18 Retinoscope, electrical, on battery handle, in case.
- *C-19 Retinoscope and Ophthalmoscope, electrical, on battery handle, in case.
- *C-20 Asbestos Chimney, with iris diaphragm.

Eyelid Retractors

- C-30 **Desmarre's**, 4 sizes.
- *C-35 **Fisher's**, lid hook, double, latest model.
- C-36 **Fisher's**, fenestrated, flexible for shaping.
- C-37 **Fisher's**, solid, flexible for shaping.
- C-38 **Fisher's**, for lower lid.
- C-40 **Ziegler's**, one size.



Eye Specula

- C- 50 Beard's, solid blades, non-magnetic.
- *C- 55 Brand's, with swivel blades.
- C- 60 Critchet's.
- C- 65 Fox's, with open or closed blades.
- *C- 70 Graefe's, plain.
- C- 75 Major Smith's, nickel-plated or gold-plated.
- C- 80 Monosmith's, non-magnetic.
- C- 85 Murdoch's, steel.
- *C- 90 Noyes', improved, with screw.
- C- 95 Pana's.
- *C-100 Plain, wire.
- *C-105 Weber's, for either eye.
- C-110 Weeks'.
- C-115 Ziegler's, latest pattern.

Lachrymal Sac Retractors and Tendon Tuckers

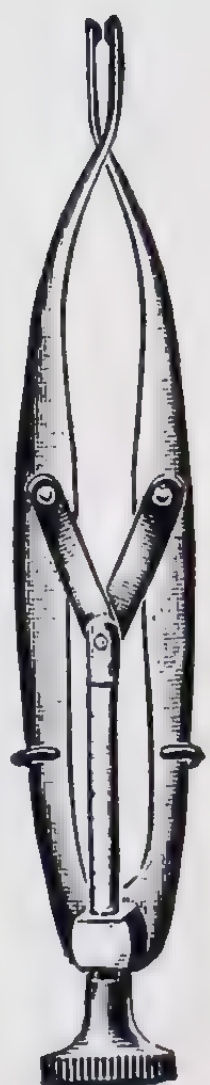
- C-130 Mueller's Lachrymal Sac Retractor.
- C-135 Clark-Bruns Tendon Tucker.
- C-140 Todd's Tendon Tucker.

Lid Plates and Strabismometer

- *C-145 Jaeger's Lid Plate, hard rubber.
- *C-146 Jaeger's Lid Plate, ivory.
- *C-150 Lawrence's Strabismometer.

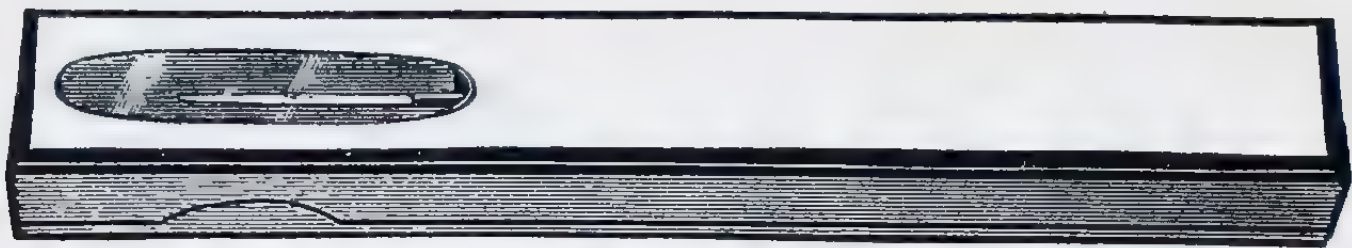


C-130

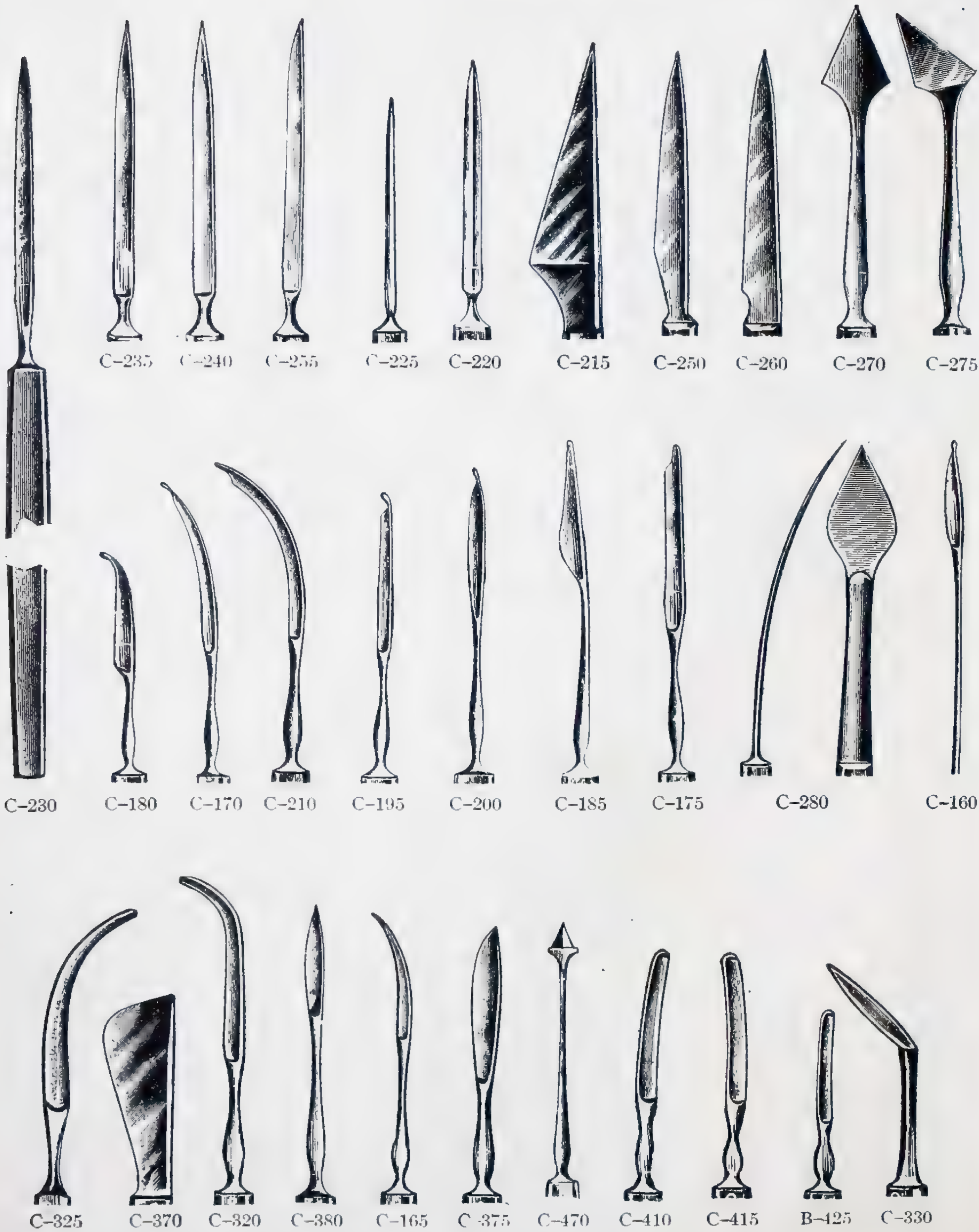


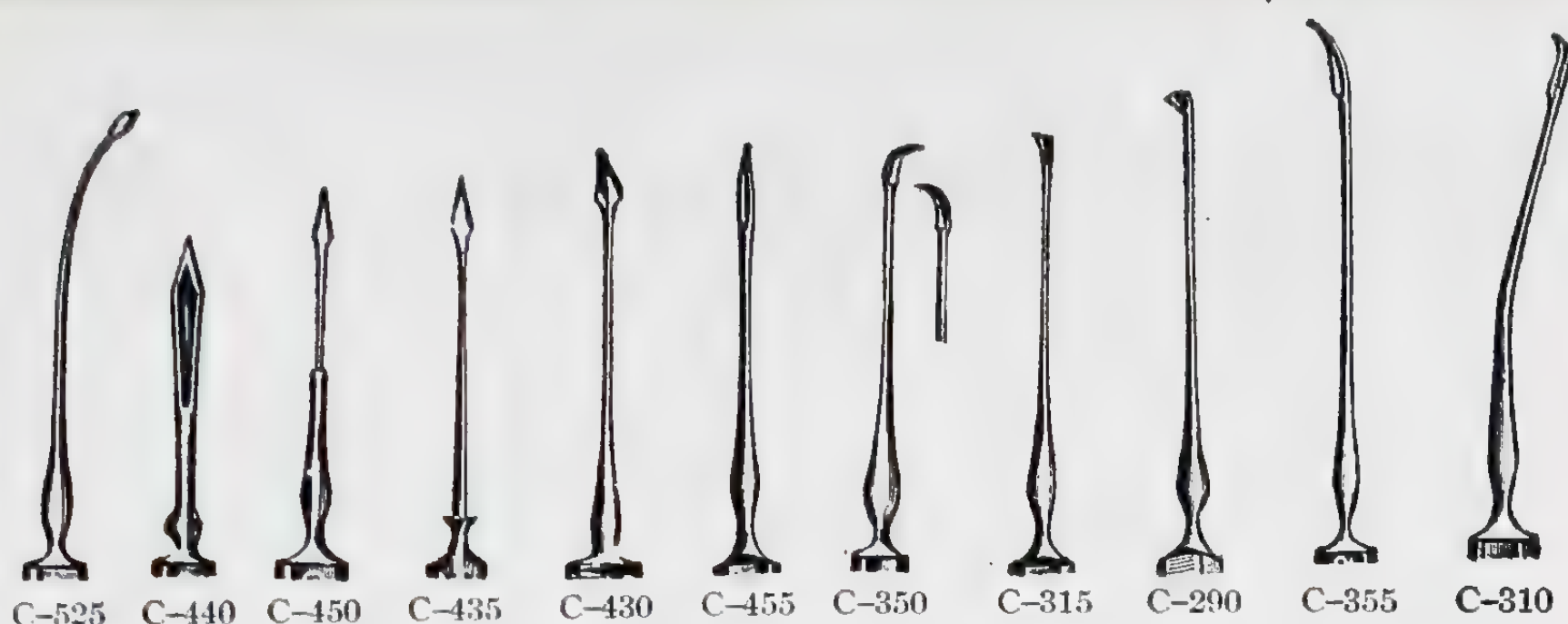
C-140

Eye Instruments



Box for Holding Eye Instruments





Eye Instruments

Canalicula Knives

- C-160 Agnew's.
- C-165 Bowman's, sharp.
- C-170 Bowman's, probe point.
- C-175 Noyes'.
- C-180 Noyes'-Stilling's.
- C-185 Schmidt-Rimpler's.
- *C-190 Thomas'.
- C-195 Weber's, straight.
- C-200 Weber's, straight English pattern.
- *C-205 Weber's, half curved.
- C-210 Weber's, full curved.

Cataract Knives

- C-215 Beer's, 3 sizes.
- C-220 Deutschmann's.
- C-225 Graefe's, delicate.
- C-230 Graefe's, small.
- C-235 Graefe's, medium.
- C-240 Graefe's, large.
- C-245 Green's, for Indian operation.
- C-250 Jackson's.
- C-255 Knapp's.
- C-260 Monoyer's.
- *C-265 Schweigger's.

Keratomes

- C-270 Jaeger's, straight, 3 sizes.
- C-275 Jaeger's, angular, 3 sizes.
- C-280 Landolt's, curved.
- *C-285 Lichtenberg's, angular, probe.

Cystotomes

- C-290 Beard's.
- *C-295 Graefe's.
- *C-300 Graefe's, right.
- *C-305 Graefe's, left.
- C-310 Knapp's.
- C-315 Wilder's.

Enucleation Knives

- C-320 Monosmith's.

Excentration Knives

- C-325 Beard's, knife spatula.

Iridectomy Knives

- C-330 Agnew's.
- *C-335 Critchet's.

Iris Knives

- *C-340 Adams'.
- *C-345 Double-edged.
- C-350 Graefe's.
- C-355 Hayes'.
- *C-360 Sichel's.
- *C-365 Single-edge, with stop.

Lid Knives

- C-370 Beard's.

Scalpels

- C-375 Bellied, 3 sizes.
- C-380 Center point, 3 sizes.

Scarifiers

- *C-385 Desmarre's.
- *C-390 Graefe's.

Scleratomes

- *C-395 DeWecker's.
- *C-400 Galezowski's.

Secondary Knives

- *C-405 Blake's, straight.
- C-410 Concaved edge.
- C-415 Convexed edge.
- *C-420 Galezowski's.
- C-425 Straight edge.

Cataract Needles

- C-430 Curved.
- C-435 Straight.
- C-440 Walton's, grooved.

Iris Needles

- *C-445 Beer's, straight.
- C-450 Bowman's, with stop.
- C-455 Knapp's Knife Needle.
- *C-460 Knapp's Knife Needle, with stop.
- *C-465 Zirn's.

Paracentesis Needles

- C-470 Desmarre's, straight.
- *C-475 Plain.

Suture Needles

- *C-480 Delaroza's.
- *C-485 Himley's.
- *C-490 Prince's.

Eye Instruments



STANDARD SURGICAL INSTRUMENTS



C-710



C-715



C-720



C-730

Eye Instruments

Tattooing Needles

- *C-495 Agnew's.
- *C-500 Baeder's.
- C-501 Baeder's, with spatula.
- C-505 DeWecker's, with spatula.

Gouges

- *C-510 Kuhnt's.
- *C-515 Todd's, triangular point.
- C-520 Walton's.

Probes

- *C-525 DeWecker's.

Scoops

- C-530 Arlt's, fenestrated.
- C-535 Bunge's, excentration.
- C-540 Critchett's, serrated.
- C-545 Daviel's.
- C-550 Graefe's, hard rubber.
- *C-555 Graefe's, shell.
- C-560 Knapp's, silver.
- C-565 Lewis', fenestrated.
- C-570 Prince's, fenestrated cataract retractor.
- *C-575 Schmidt-Rimpler's.
- C-580 Shell, lens, curved.
- C-585 Waldau's, silver.
- C-590 Well's, enucleation.
- C-595 Wilder's, fenestrated.

Curettes

- C-600 Daviel's, chalazion.
- C-605 Hebra's, chalazion.
- C-610 Meyerhoeffler's, chalazion.
- C-615 Skeel's, chalazion.
- C-620 Wheeler's, corneal.

Hooks

- *C-622 Corelysis, Fox's, double.
- C-623 Cystotome, Fox's, double.
- C-625 Fixation, Guthrie's.
- *C-630 Foreign body, Graefe's.
- *C-635 Iris, angular.
- C-640 Iris, Tyrell's, blunt.
- *C-645 Iris, Tyrell's, sharp.
- C-650 Lens, Graefe's, retractor.
- C-652 Lid Retractor, Smith-Green's.
- C-654 Pressure, Smith-Green's.
- C-655 Pterygium, Prince's.
- C-660 Strabismus, Graefe's, 3 sizes.
- *C-665 Strabismus, sharp.
- C-670 Tendon, Stevens'.
- C-675 Traction, Stevens'.

Spatulas

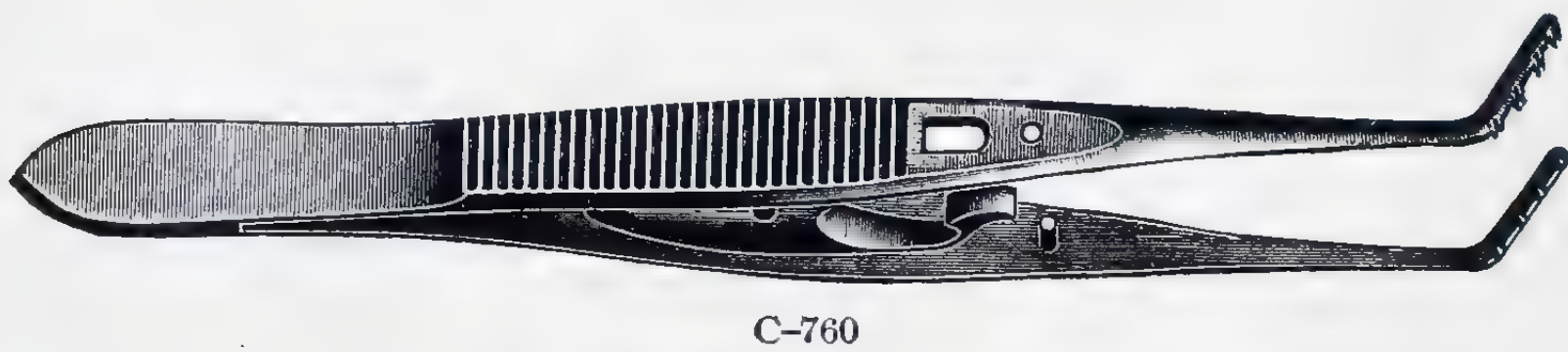
- C-680 Flexible, silver.
- C-685 Flexible, shell.
- *C-687 Fox's, Corelysis, double.
- C-690 Daviel's, silver.
- C-695 Green's, with pressure probe.
- C-697 Smith-Green's, double.

Spuds

- C-700 Dix's.
- C-705 Wheeler's, same as C-620.
- C-710 Illuminated Spud and Needle E.S.I.Co.

Double Eye Instruments

- C-715 Dix's Spud and Needle, reversible.
- C-720 Dix's Spud and Needle, in round handle, with caps.
- *C-725 Graefe's Knife and Dix's Spud reversible.
- C-730 Graefe's Knife and Wheeler's Corneal Spud, reversible.



Eye Forceps

Advancement

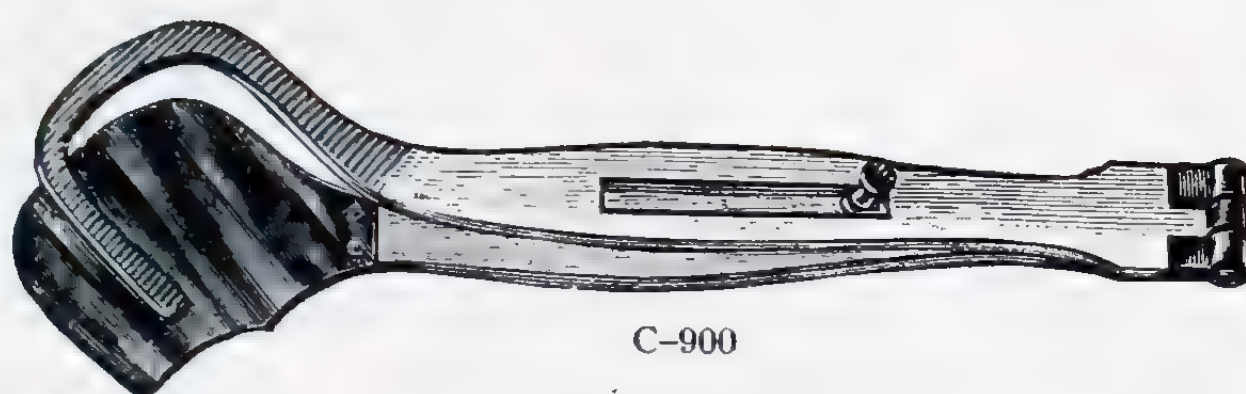
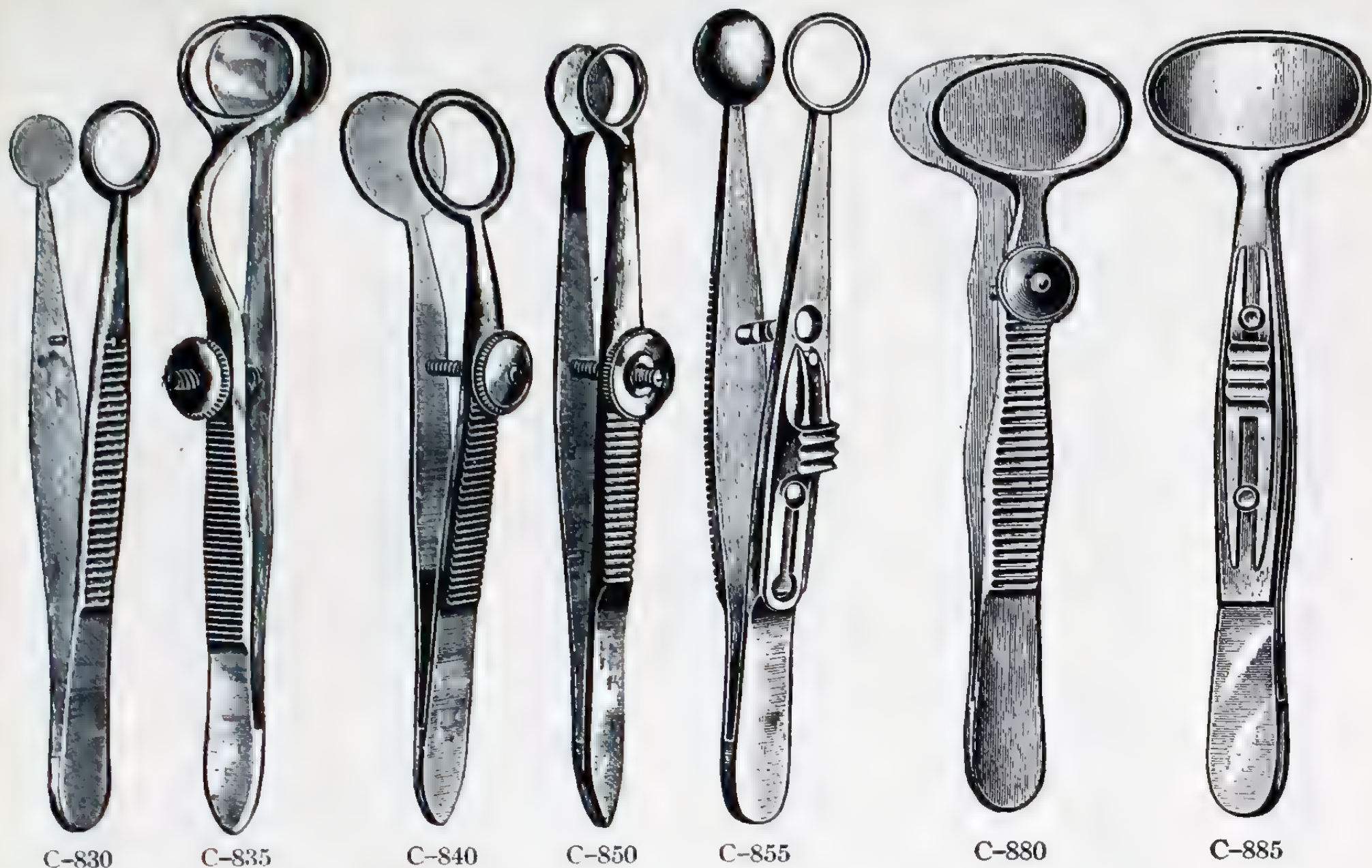
- | | | | |
|--------|----------------------|-------|-----------|
| C-750 | Fisher's. | C-760 | Prince's. |
| *C-755 | Hotz's, slide catch. | C-765 | Reese's. |

Capsular

- | | | | |
|--------|----------------------------|--------|---|
| C-770 | Fisher's. | C-795 | Knapp's, improved pattern. |
| C-775 | Foerster's. | *C-800 | Mathieu's, for use in Indian operation. |
| *C-780 | Francis', 4 and 4 teeth. | C-805 | Schweigger's. |
| C-785 | Fuch's, Vienna pattern. | C-810 | Smith's. |
| *C-790 | Knapp's, original pattern. | C-815 | Terson's. |



STANDARD SURGICAL INSTRUMENTS



Eye Forceps

Chalazion

- C-830 Ayer's.
- C-835 Francis'.
- C-840 Hunt's.
- C-845 Lambert's.
- C-855 Spencer's, slide catch.
- *C-860 Starkey's.
- *C-865 Wilder's, clamp.

Entropium

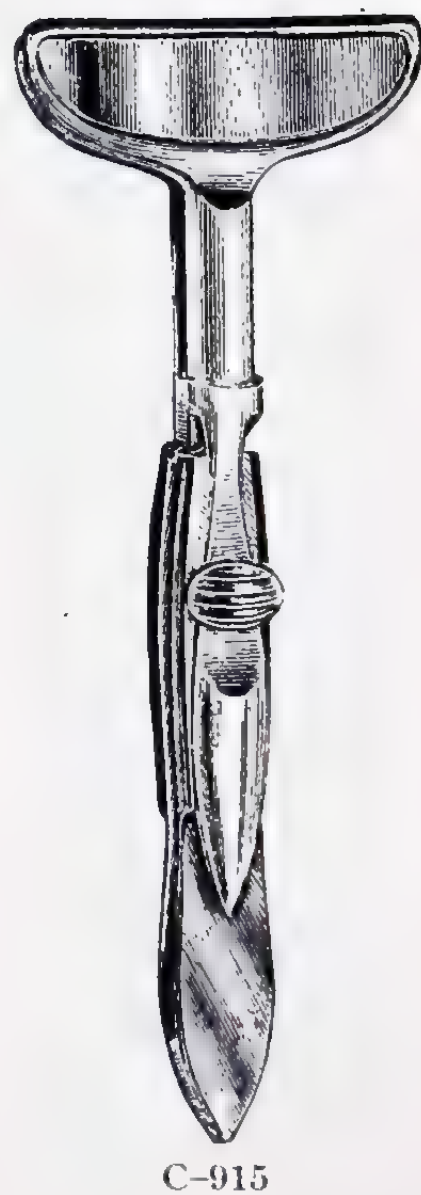
- *C-870 Cross Bar.
- *C-875 Denis'.
- C-880 Desmarre's.
- C-885 Desmarre's, slide catch.
- *C-890 Knapp's, right and left.
- *C-895 Noyes', right and left.
- C-900 Prout's, reversible, for right or left.
- C-905 Snellen's, right and left.
- *C-910 Wilder's.
- C-915 Ziegler's.

Enucleation

- *C-920 Blitz's.
- *C-925 Vulsellum, straight.

Lid

- *C-930 Beard's.
- *C-935 Fisher's.
- *C-940 Kuhnt's.





C-945



C-955



C-970



C-965



C-980



C-990



C-1055



C-1015



C-1035

Eye Forceps Cilia

- C-945 **Douglass'.**
- *C-950 Fine, broad points.
- C-955 Fine, narrow points.
- *C-960 **Henry's.**
- C-965 **Piffard's.**
- C-970 **Ziegler's.**

Dressing

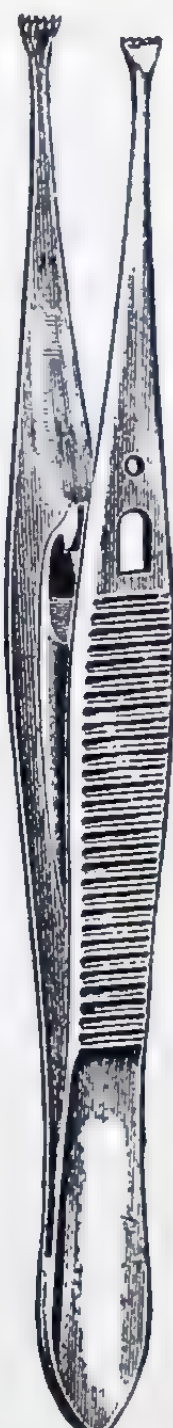
- C-980 Straight, serrated points.
- *C-985 Curved, serrated points
- C-990 Full curved, serrated points.
- *C-995 Non-magnetic, for use with eye magnet.

Fixation

- *C-1000 **Barr's.**
- *C-1005 **Dudley's.**
- *C-1010 **Ewing's.**
- C-1015 **Gifford's.**
- C-1020 **Graefe's.**
- *C-1025 **Greene's**, for Indian operation, 1 and 2 teeth, 2 and 3 teeth.
- *C-1027 **Fox's.**
- C-1030 **Harmon's**, 3 inches long.
- C-1035 **Noyes'**, curved, spring catch.
- C-1040 Plain, straight.
- *C-1045 Plain, curved.
- *C-1050 **Schweigger's.**
- C-1055 **Stevens'.**



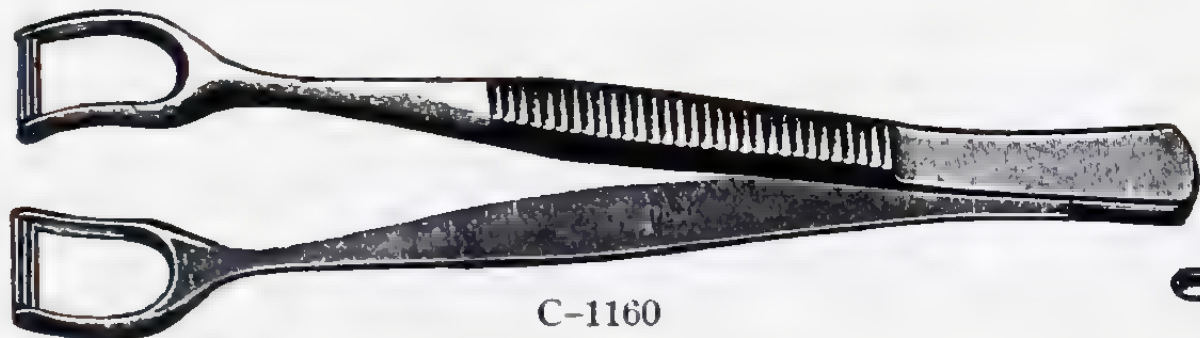
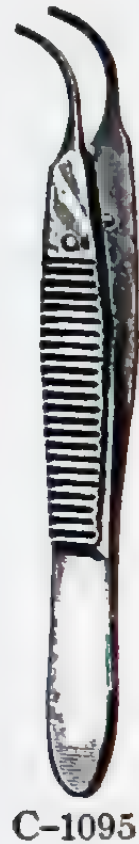
C-1040



C-1020



C-1030



Eye Forceps
Iris

- | | | | |
|---------|--|---------|---|
| C-1060 | Straight, fine, mouse tooth points. | *C-1085 | Graefe's, angular. |
| C-1065 | Curved, fine, mouse tooth points. | C-1090 | Graefe's, straight, very delicate, 2½ inches. |
| *C-1070 | Full curved, fine, mouse tooth points. | C-1095 | Graefe's, curved, very delicate, 2½ inches. |
| *C-1075 | Collin's, curved. | *C-1100 | Liebrich's improved pattern. |
| *C-1080 | Fisher's. | | |

Strabismus

- | | | | |
|---------|--------------|---------|--|
| C-1105 | Straight. | *C-1120 | Landolt's. |
| C-1110 | Curved. | *C-1125 | Non-magnetic, tissue, for use with eye magnet. |
| *C-1115 | Full curved. | | |

Suture

- *C-1130 Mule's.

Tendon

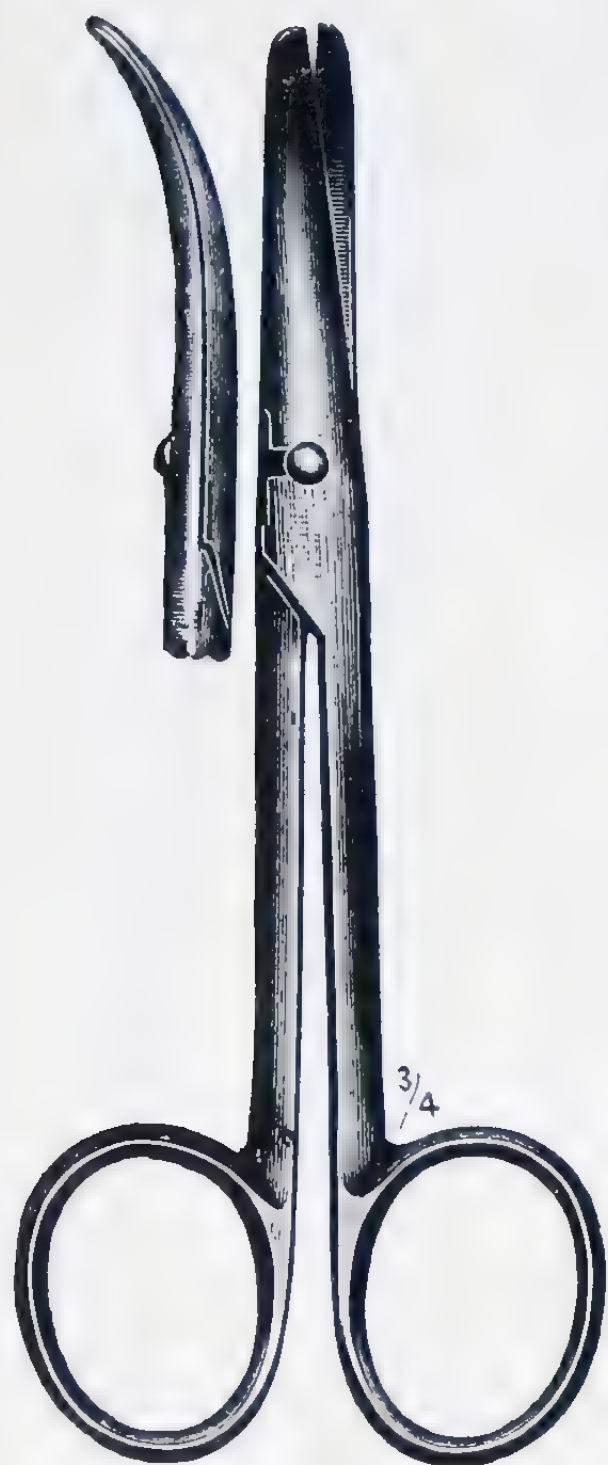
- | | | | |
|--------|-------------------|---------|---------------------|
| C-1135 | Stevens', curved. | *C-1140 | Stevens', straight. |
|--------|-------------------|---------|---------------------|

Trachoma

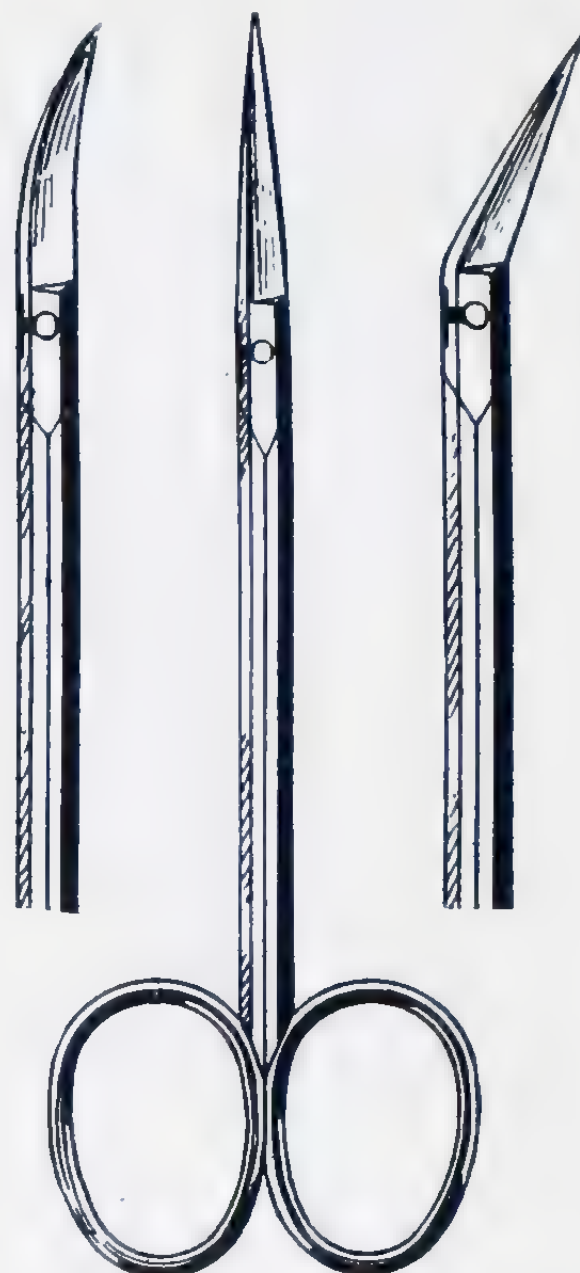
- | | | | |
|---------|--|--------|----------------------------|
| C-1145 | Falta's, with 3 rollers, 2 perforated and 1 plain. | C-1160 | Knapp's, improved pattern. |
| *C-1150 | Falta's, probe for cleaning rollers. | C-1165 | Noyes', upper or lower |
| C-1155 | Knapp's, original pattern. | C-1170 | Prince's. |
| | | C-1175 | Rust's, angular. |



Eye Scissors



C-1200



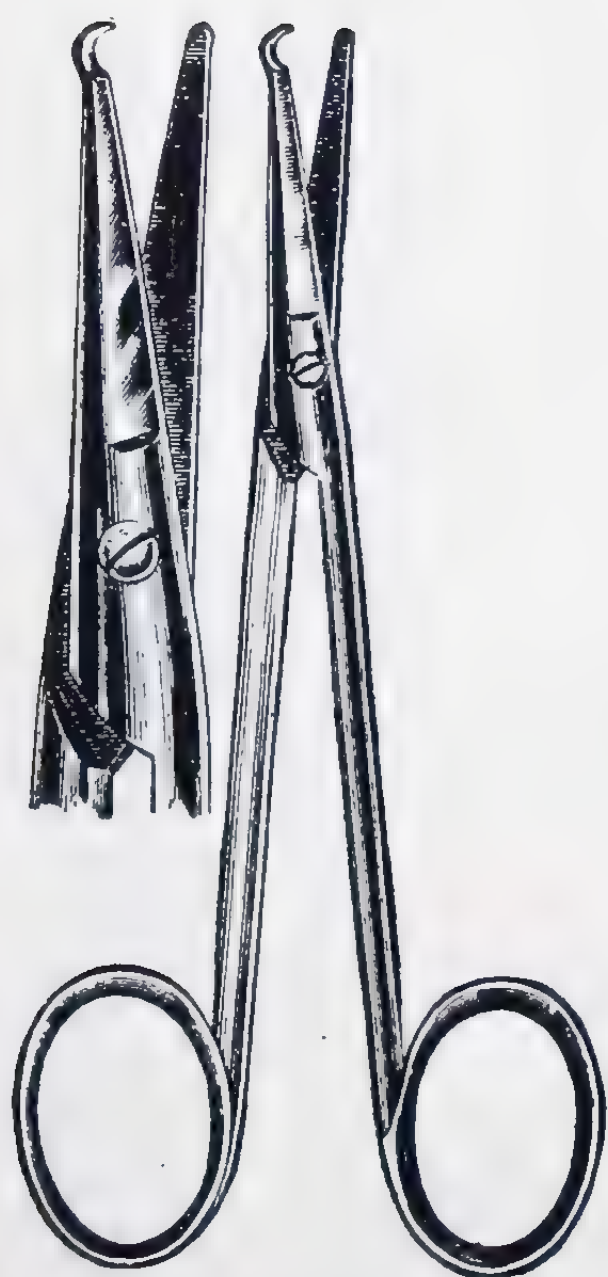
C-1212

C-1210

C-1215



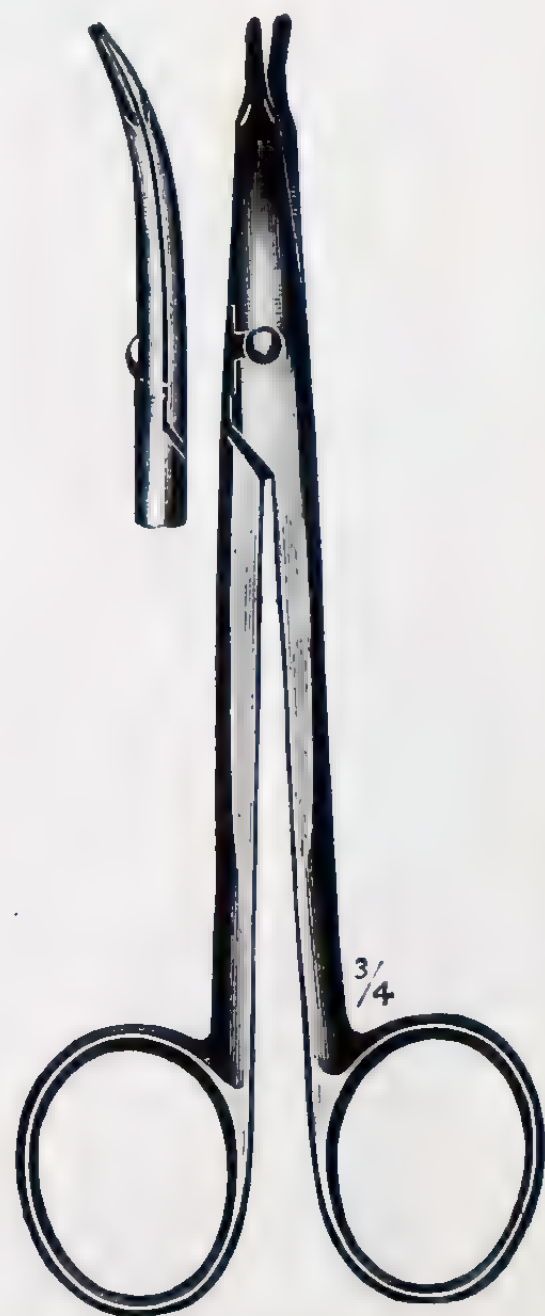
C-1220



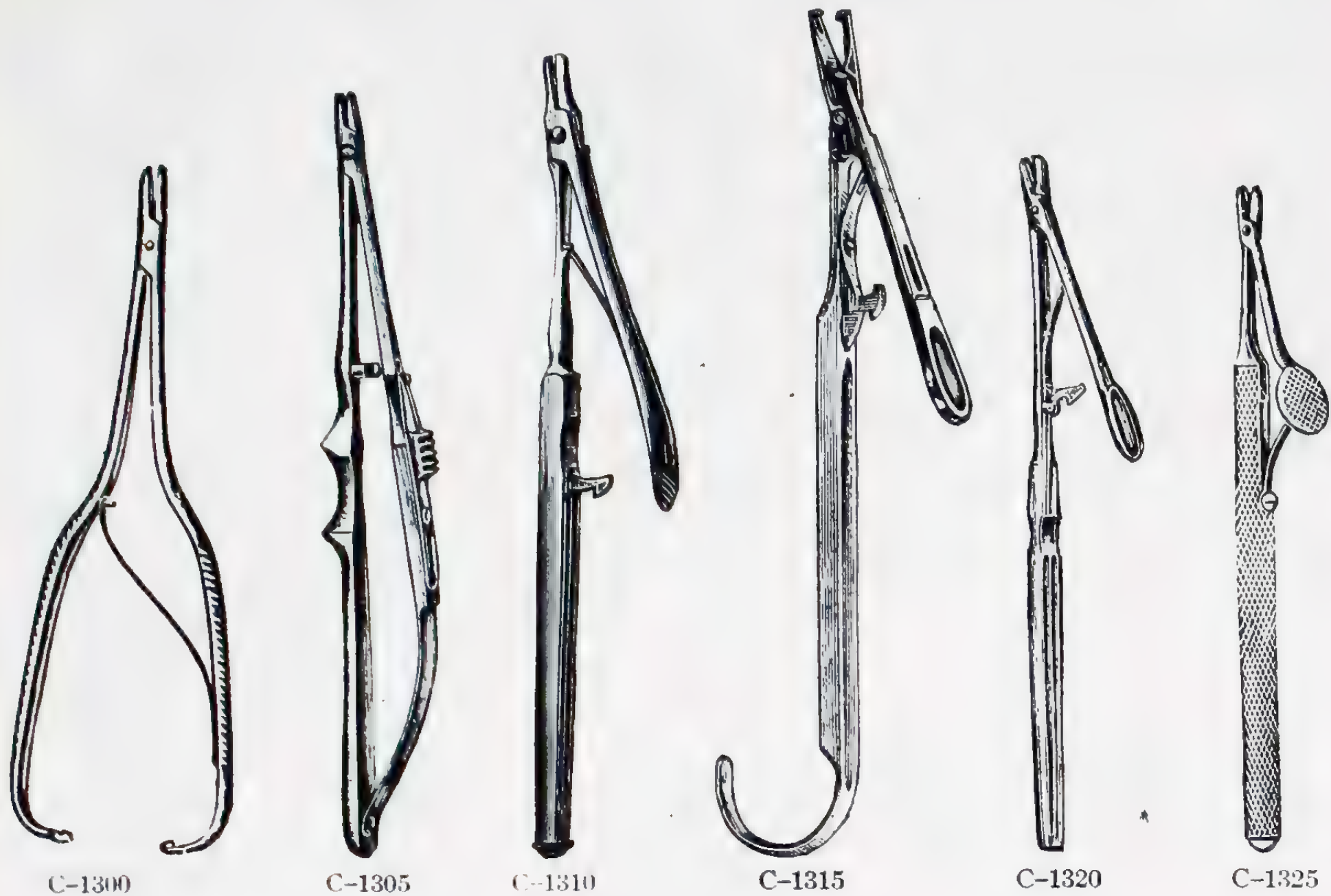
C-1270



C-1251



C-1280



Eye Instruments—Eye Scissors

Enucleation

- C-1200 Curved, blunt, heavy.
- *C-1201 Curved, blunt, extra heavy.
- *C-1205 **Fox**, curved, heavy.

Iris

- C-1210 Straight, regular, sharp.
- *C-1211 Straight, delicate, sharp.
- C-1212 Curved, regular, sharp.
- *C-1213 Curved, delicate, sharp.
- C-1215 Angular, sharp.
- *C-1216 Angular, 1 probe point.
- C-1220 **DeWecker's**.

Lachrymal

- *C-1225 **Arlt's**.
- *C-1230 **Knapp's**.

Pterygium

- *C-1235 **Chadwick's**, curved to the right.
- *C-1236 **Chadwick's**, curved to the left.
- *C-1237 **Chadwick's**, curved on flat.

Strabismus

- *C-1240 Straight, heavy, sharp.
- *C-1241 Straight, heavy, blunt.
- *C-1245 Straight, **Bowman's**, 2 probe points.
- *C-1250 Curved, heavy, sharp.
- C-1251 Curved, heavy, blunt.
- *C-1255 Curved, **Bowman's**, 2 probe points.
- *C-1260 Angular, heavy, sharp.
- *C-1265 Angular, **Maunoir's**, 2 probe points.

Suture

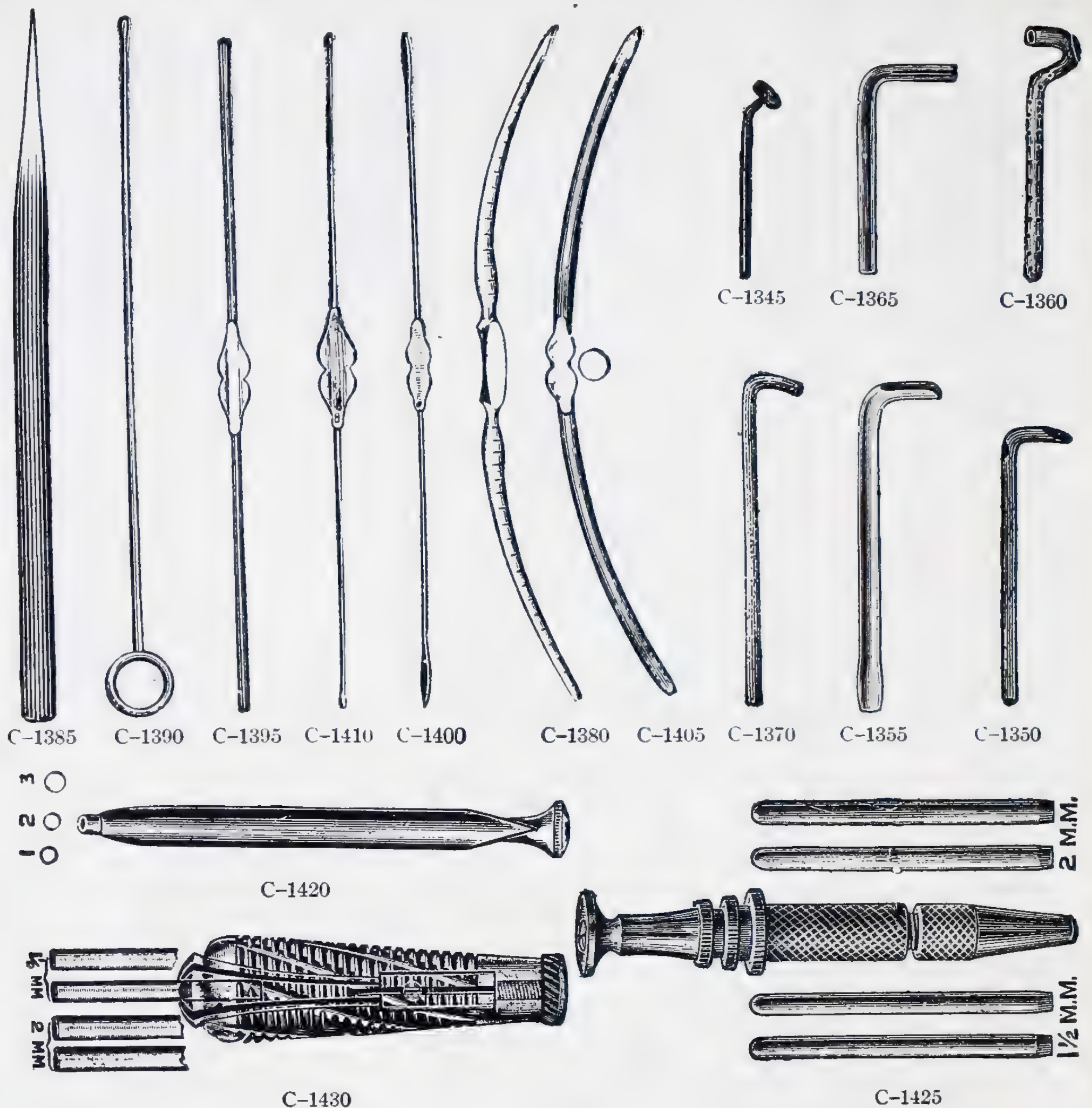
- C-1270 **Stevens'**, stitch.

Tenotomy

- C-1280 **Stevens'**.
- *C-1285 **Westcott's**, spring handle.

Needle Holders

- C-1300 **Boynton's**.
- *C-1301 **Boynton's**, with **Richter** jaws.
- C-1305 **Fisher's**.
- C-1310 **Knapp's**.
- *C-1315 **Richter's**, hook or straight handles.
- C-1320 **Stevens'**.
- C-1325 **Stevenson's**.



Eye Instruments

Aspirator

- *C-1340 **Bowman's**, for soft cataract.

Canulae and Styles

- C-1345 **Bowman's**, silver.
 C-1350 **Bowman's**, silver.
 C-1355 **Fox's**, silver.
 *C-1356 **Fox's**, slotted, silver and gold.
 C-1360 **Prince's**, silver, right and left.
 C-1365 Style, silver, angular.
 C-1370 **Taylor's**, silver.

Dilators

- *C-1375 **Peck's**, silver, 2 sizes.
 C-1380 **Weber's**, graduated, silver.
 C-1385 **Wilder's**, conical.

Probes

- C-1390 **Anel's**, silver.
 C-1395 **Bowman's**, 8 sizes in set, plated or silver.
 C-1400 **Hotz's**, 6 sizes, plated.
 C-1405 **Theobold's**, 16 sizes in set, plated or silver.
 C-1410 **Williams's**, 8 sizes in set, plated or silver.

Syringes, Lachrymal (see page 23)

Trephines, Corneal

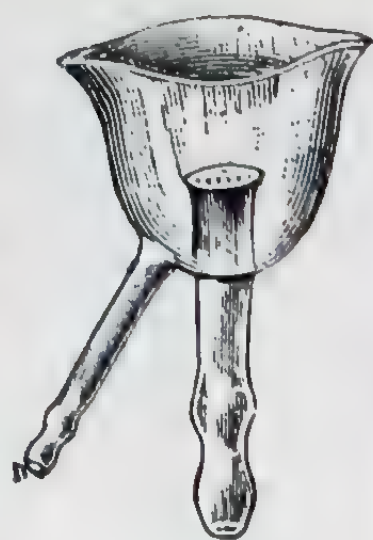
- C-1420 **Bowman's**, set of 3, 1, 1 1/2 and 2 mm., in case.
 C-1425 **Cross's**, 1 1/2 and 2 mm.
 C-1430 **Elliott's**, latest, in case.



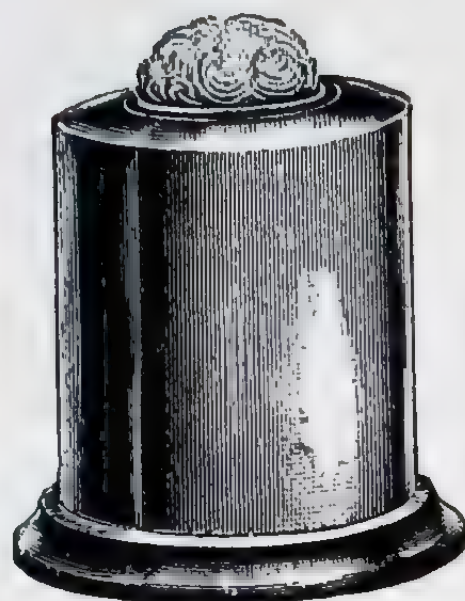
C-1450



C-1455



C-1460



C-1490



C-1500



C-1501



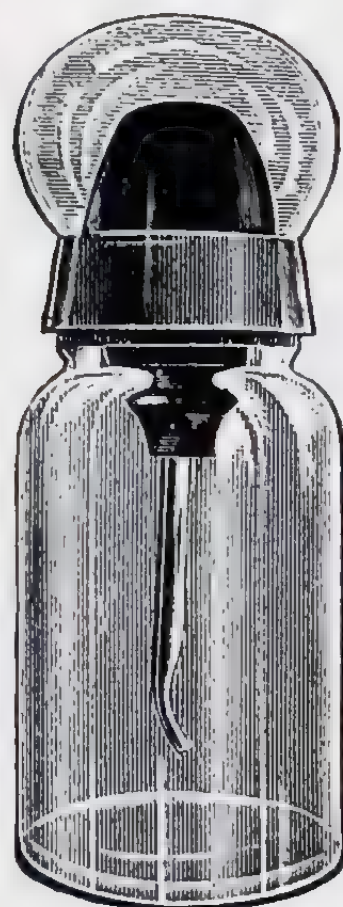
C-1475



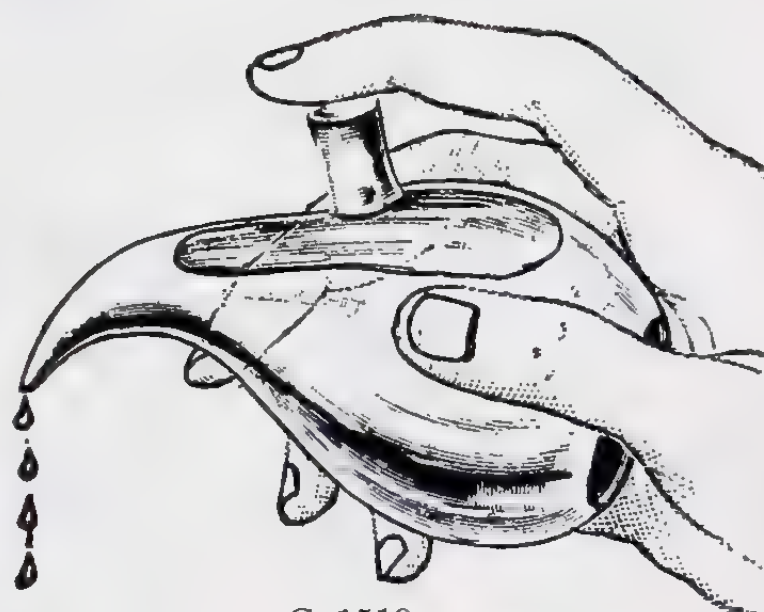
C-1465



C-1470



C-1480



C-1510

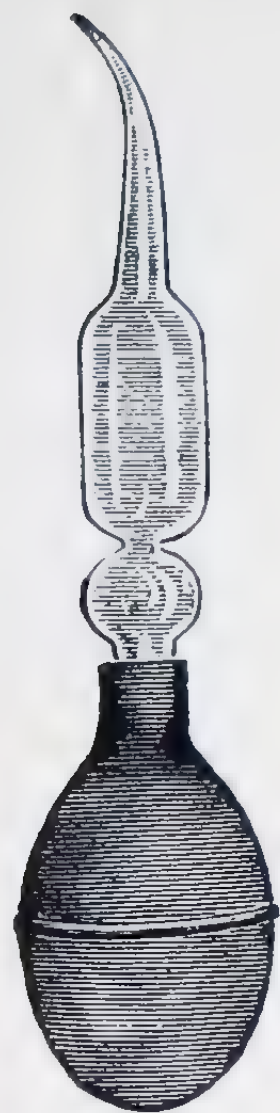


C-1485-1488

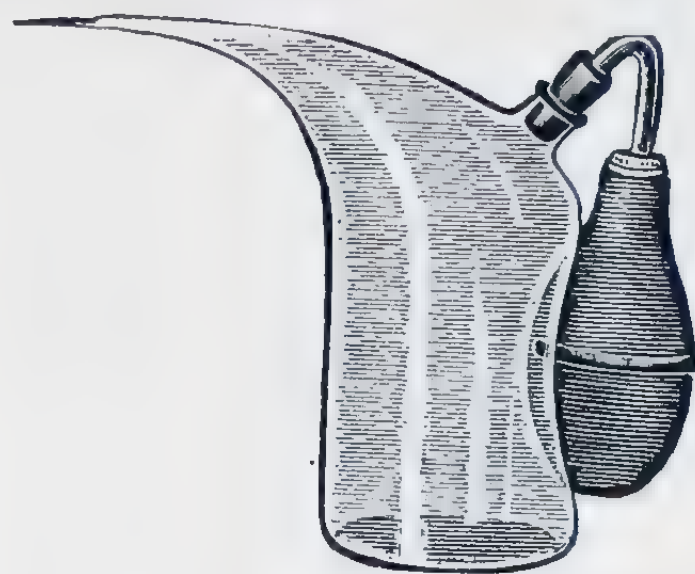
Sundries

- C-1450 Bath, plain, glass.
- C-1455 Bath, plain, glass, combined with bottle.
- *C-1456 **De Vilbiss'** Eye Irrigator.
- C-1460 Bath, **Schweigger's**, glass.
- C-1465 Bottle, drop, ground stopper, 1 ounce, 2 ounces.
- C-1470 Bottle, **Stroschein's**, single or per set of 4 with tripod.
- C-1475 Bottle Stand, wood, for 4 **Stroschein's** bottles, stand only.
- C-1480 Bottle, **Ziegler's**, boric acid wash.
- C-1485 Caustic Pencil, alum cone.
- C-1486 Caustic Pencil, sulphate of copper cone.
- C-1487 Caustic Pencil, pyoktannin cone.
- C-1488 Caustic Pencil, nitrate of silver cone.
- C-1490 Cotton Reservoir, small size.
- *C-1495 Coil, **Leiter's**, lead, for hot and cold applications.
- C-1500 Dropper, glass, bulb end.
- C-1501 Dropper, glass, curved, plain.
- *C-1505 Dropper, **Dunn's**.
- C-1510 Dropper, **Undine**, with stopper.

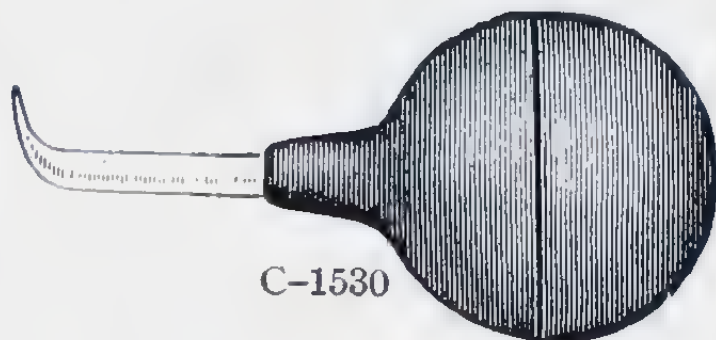
STANDARD SURGICAL INSTRUMENTS



C-1520



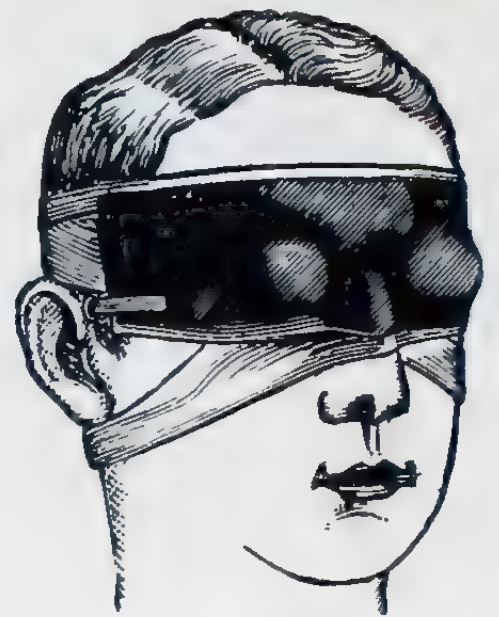
C-1525



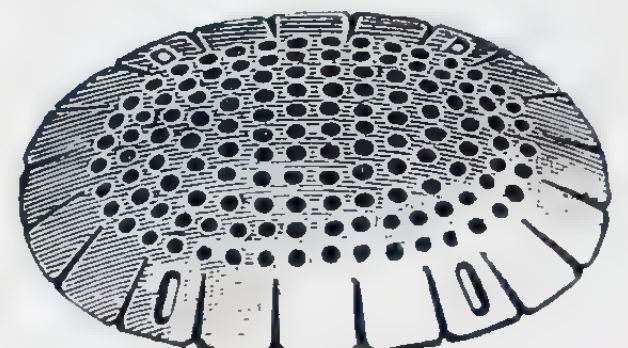
C-1530



C-1535



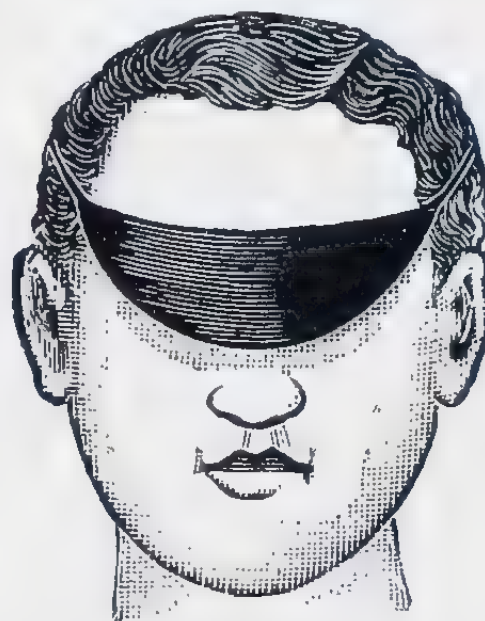
C-1532



C-1550



C-1540



C-1545

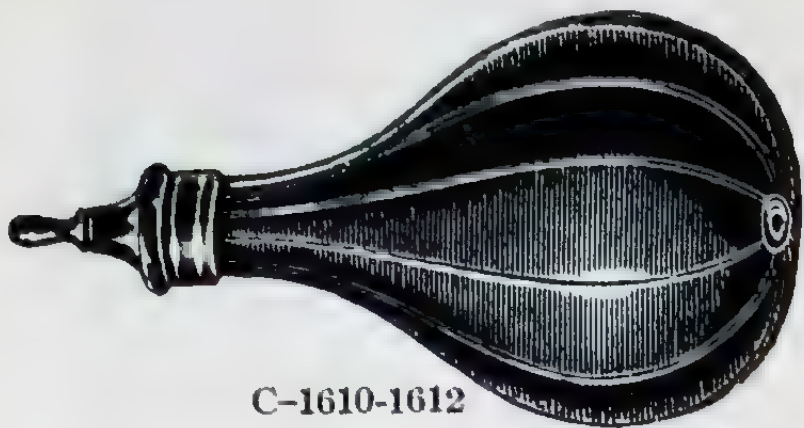


C-1555-1560

- C-1515 Introducer, **Carter's**, for **Mule's** Vitreous spheres.
- C-1520 Irrigator, **Gibson's**, for anterior chamber.
- C-1525 Irrigator, **Todd's**, for anterior chamber.
- C-1530 Irrigator, **Woodruff's**, for anterior chamber.
- C-1532 Mask, **Ring's**, for cataract.
- C-1535 Pipette, **Prince's**, silver tip, platinum tip.
- C-1540 Shade, eye, single.
- C-1545 Shade, eye, double.
- C-1550 Shield, **Fox's**, aluminum.
- C-1555 Spheres, **Mule's**, vitreous, 4 sizes.
- C-1560 Sphere, **Mule's**, gold, hollow, 13, 14 and 15 mm.
- *C-1565 Test Drum, with piece of fine, thin kid.



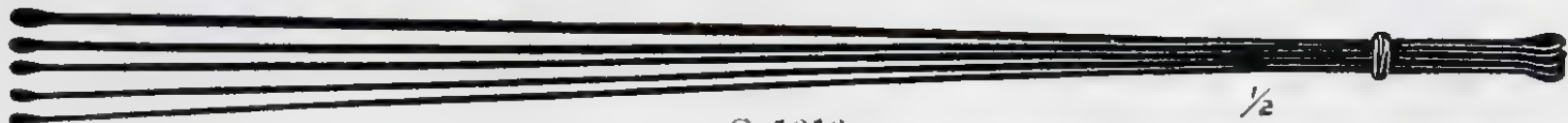
C-1515



C-1610-1612

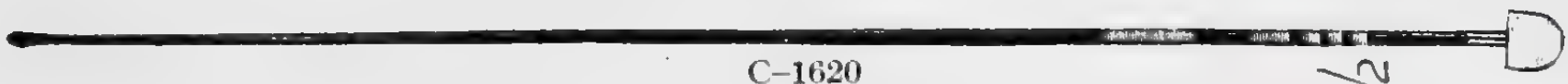


C-1650



C-1616

1/2



C-1620

1/2



1/2



C-1622



C-1645



C-1670

Ear Instruments

Acoumeters

- *C-1600 Barany's, Lärm Apparatus.
- *C-1602 Bartlett's.
- *C-1604 Politzer's.

Air Bags

- *C-1606 Lenox-Brown's.
- C-1610 Politzer's, with valve, 4 ounces, 8 ounces, 12 ounces.
- C-1612 Politzer's, without valve, 4 ounces, 8 ounces, 12 ounces.
- *C-1614 Connecting tips for Politzer Bags, hard rubber.

Bougies

- C-1616 Urbanschitsch's, celluloid, 6 sizes, set.
- *C-1618 Whalebone, double end, 5 sizes in set.
- C-1620 Yankauer's, graduated, 5 sizes, in bottle or single.
- C-1622 Yankauer's, sounds, graduated, 5 sizes, in bottle or single.

Catheters

- *C-1625 Hard Rubber, 6 sizes, each.
- C-1630 Hartman's, 6 sizes, plated or silver.
- *C-1635 Herzfeld's, spiral end.
- C-1640 Plain, 6 sizes, plated or silver.
- C-1645 Weber-Liel's, silk.

Diagnostic Tube

- C-1650 Toynbee's, 3 feet long, hard rubber ear pieces.

Inhalers

- *C-1655 Buttle's, hard rubber.
- *C-1660 Pomeroy's, glass nozzle.
- *C-1665 Pyncheon's, hard rubber.

Masseurs

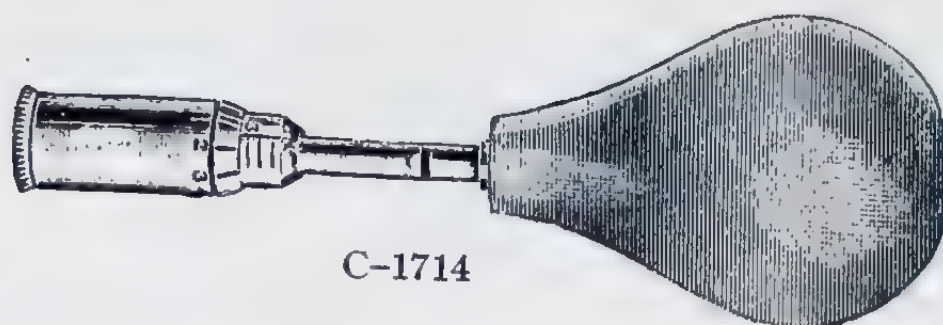
- C-1670 Delstanche's.
- *C-1675 Delstanche's, with 3 rings.
- *C-1680 Wigmore's, for compressed air.



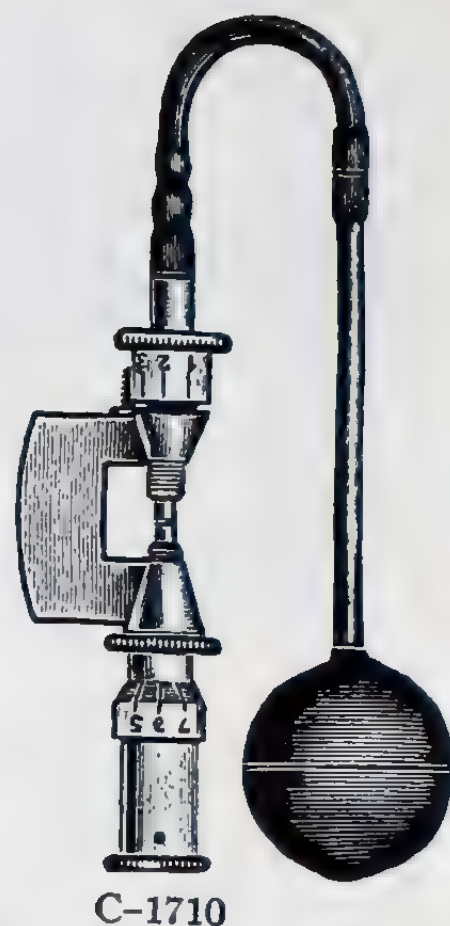
C-1630



C-1640



C-1714



C-1710



C-1704



C-1696



C-1700



C-1698



C-1690



C-1702

Ear Instruments

Tuning Forks

- *C-1685 **Bezold's**, continuous tone series of tuning forks, consisting of 10 forks, 3 whistles, and 1 hammer, in case, complete.
- C-1690 Plain, $4\frac{1}{2}$ inches, A or C.
- *C-1692 Fine, $6\frac{1}{2}$ inches, C2, 512 vibrations.
- *C-1694 **Dench's**, large, 26 to 64 vibrations.
- C-1696 **Hartman's**, C, 128 vibrations.
- C-1698 **Hartman's**, C1, 256 vibrations.
- C-1700 **Hartman's**, C2, 512 vibrations.
- C-1702 **Hartman's**, C3, 1,024 vibrations.
- *C-1704 **Hartman's**, C4, 2,048 vibrations.
- *C-1706 **Hartman's**, set of 5 in case.

Whistles

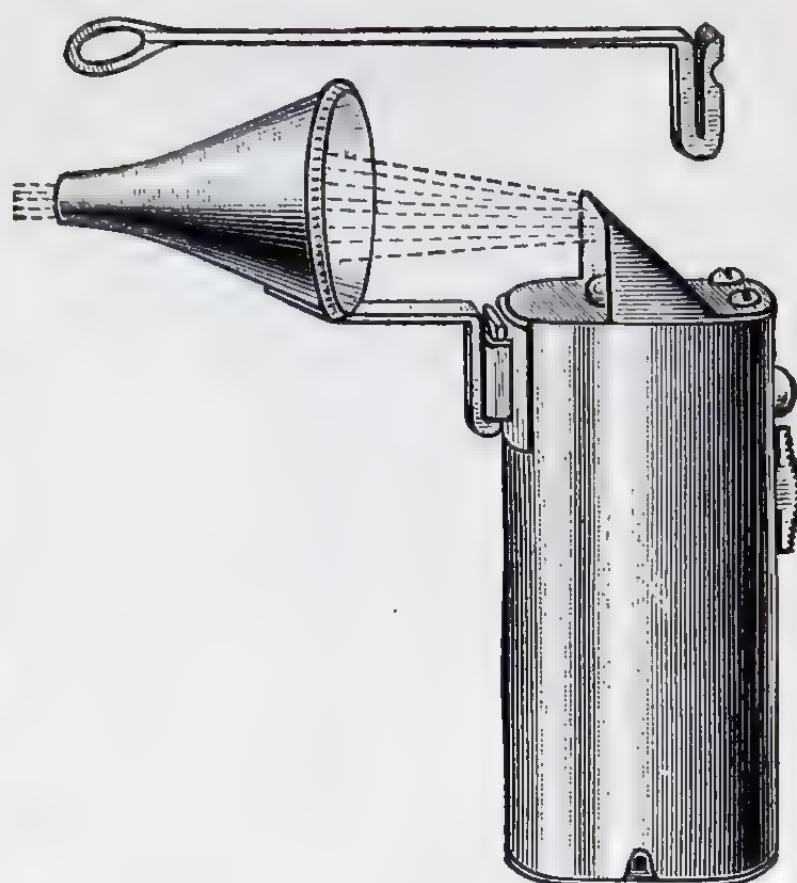
- C-1710 **Bezold's**.
- *C-1712 **Dench's**.
- C-1714 **Galton's**.



C-1735



C-1740



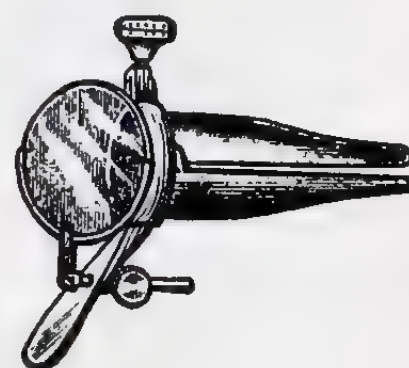
C-1742



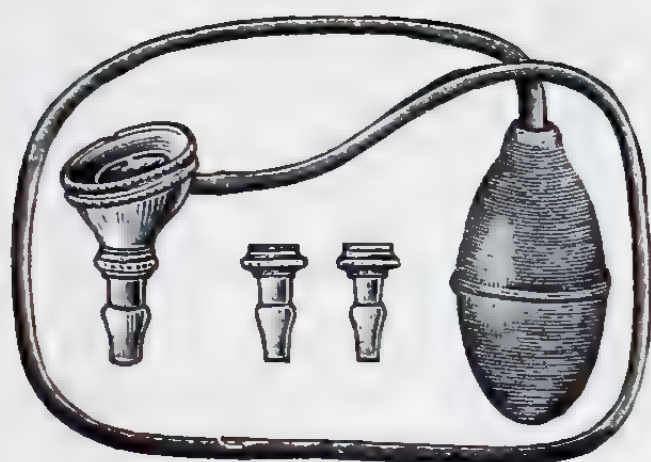
C-1725



C-1741



C-1755



C-1745



C-1750

Ear Instruments

Otoscopes

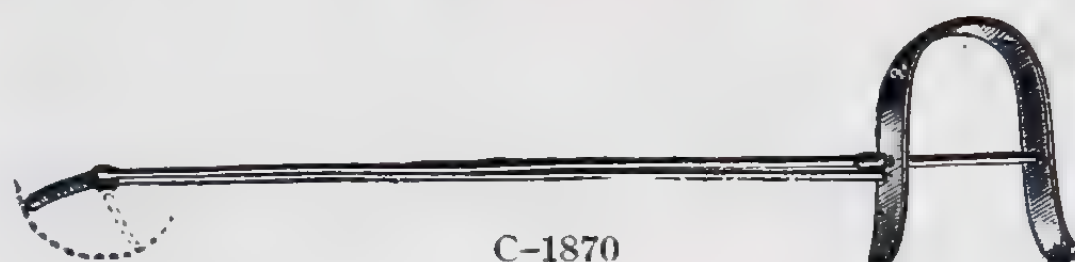
- C-1725 **Burnett's**, with bulb.
- *C-1730 **Carstens'**, pocket electric, with tongue depressor, in case.
- C-1735 **DeZeng's**, electric, pneumatic, in case.
- C-1740 **E. S. I. Co.**, electric, pneumatic, with handle.
- C-1741 **E. S. I. Co.**, electric, without handle.
- C-1742 **Kalteyer's**, with tongue depressor, but without lens.
- C-1743 **Kalteyer's**, with tongue depressor and lens, in case.
- C-1745 **Pynchon's**, with bulb.
- C-1750 **Siegel's**, with bulb, hard rubber or metal.
- C-1755 **Simrock's**.



Ear Instruments

Specula

- C-1750 Bonafont's, bivalve.
- C-1755 Boucheron's, set of 4, small, with or without case.
- C-1756 Boucheron's, set of 4, large, without case only.
- C-1760 Brown's, set of 3, plated, without case only.
- C-1765 Gruber's, set of 4, hard rubber.
- C-1766 Gruber's, set of 3, nickel-plated, silver-plated or silver, in case.
- *C-1767 Gruber's, set of 4, nickel-plated, silver-plated or silver.
- C-1770 Kraemer's, bivalve, 4 sizes, wrought metal.
- C-1771 Kraemer's, bivalve, steel.
- C-1775 Toynbee's, set of 3, hard rubber.
- C-1776 Toynbee's, set of 3, nickel-plated, silver-plated or silver, in case.
- *C-1780 Wilde's, set of 3, hard rubber.
- C-1781 Wilde's, set of 3, nickel-plated, silver-plated or silver, in case.
- *C-1782 Wilde's, set of 4, nickel-plated or silver-plated.



Ear Instruments

Applicators

- C-1790 Allen's, screw or triangular.
- C-1795 Andrew's, aluminum, straight or taper end, 3 sizes.
- C-1800 Brown's, steel or copper.
- C-1805 Ivan's, steel.
- *C-1810 Yankauer's, graduated handle, for wire applicators.
- *C-1811 Yankauer's, spiral wire applicators, eustachian, 1 dozen in glass tube.

Packers

- C-1815 Allport's, gauze.
- *C-1820 Pierce's, gauze.

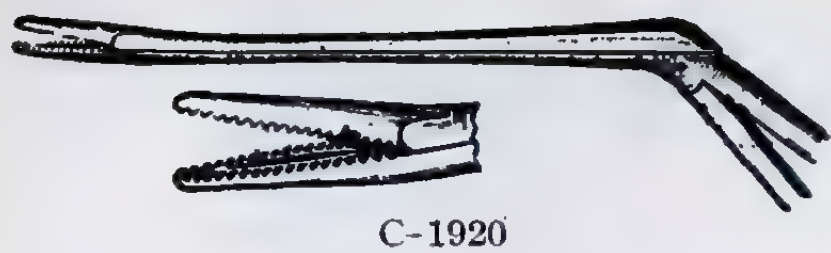
Probes

- C-1825 Buck's, fine, silver.
- C-1830 Hotz's, fine, silver.
- C-1835 Yankauer's.

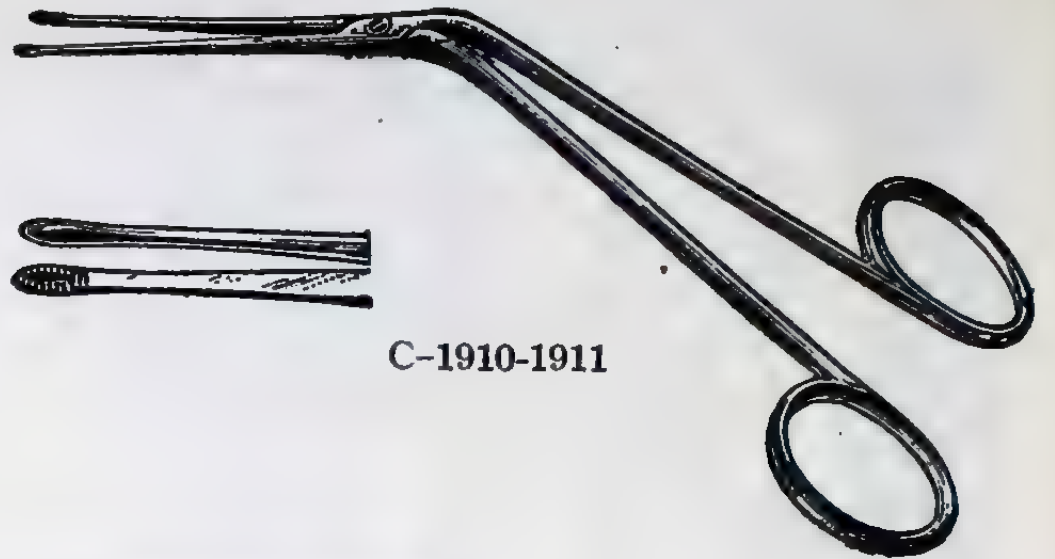
Curettes

- C-1840 Buck's, dull, 3 sizes.
- C-1841 Buck's, sharp, 3 sizes.
- C-1845 Gross', with hook.
- *C-1846 Gross', with spud.
- C-1847 Gross', fenestrated, with hook.
- C-1850 Jansen's, double ended.
- *C-1855 Sexton's, double.
- C-1860 Speir's, spiral.
- C-1865 Yankauer's, eustachian or salpingeal, 3 sizes.
- *C-1870 Quire's, foreign body instrument.

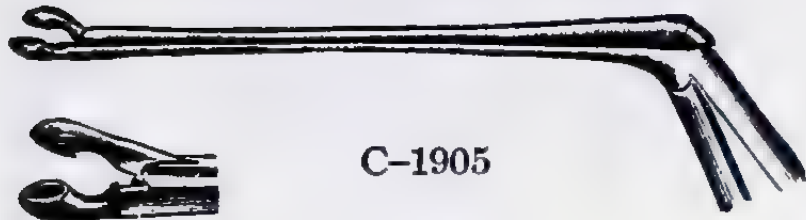




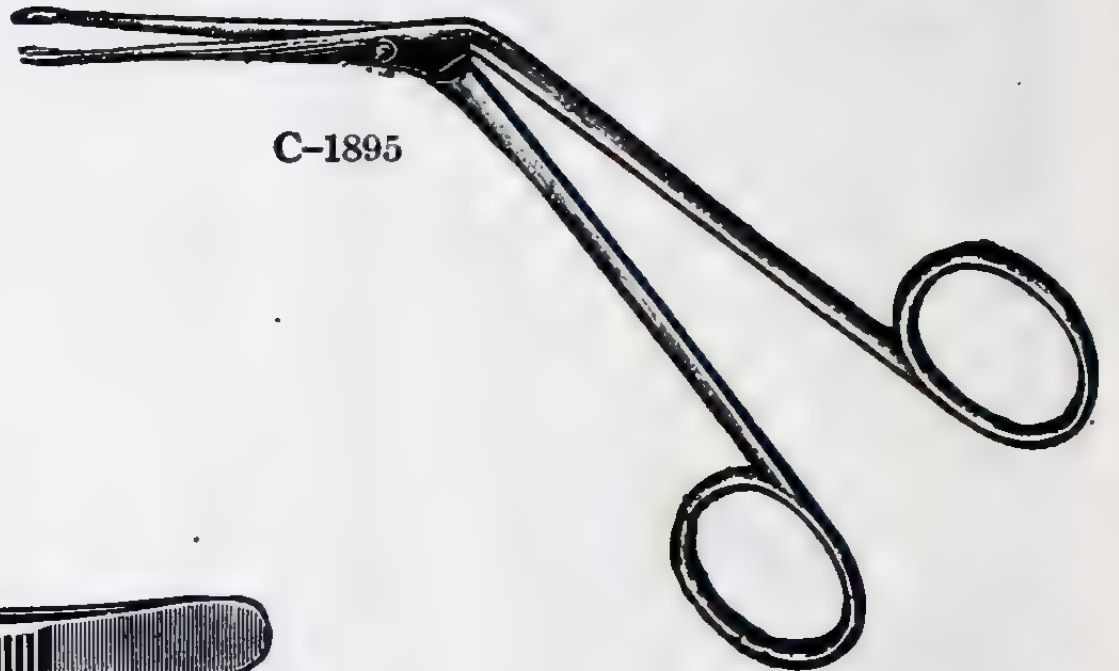
C-1920



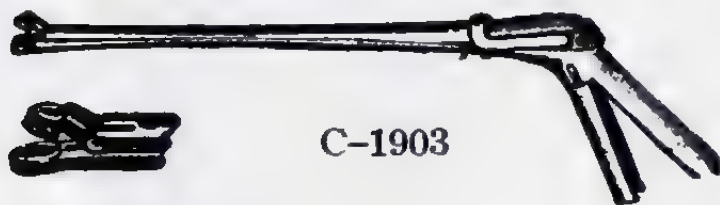
C-1910-1911



C-1905



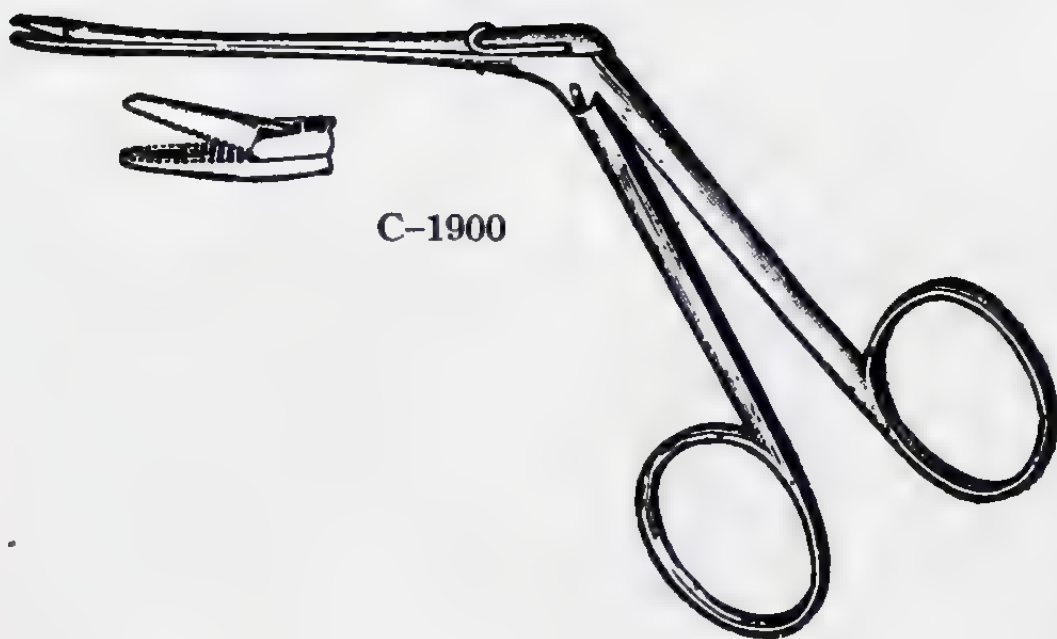
C-1895



C-1903



C-1915



C-1900



C-1890

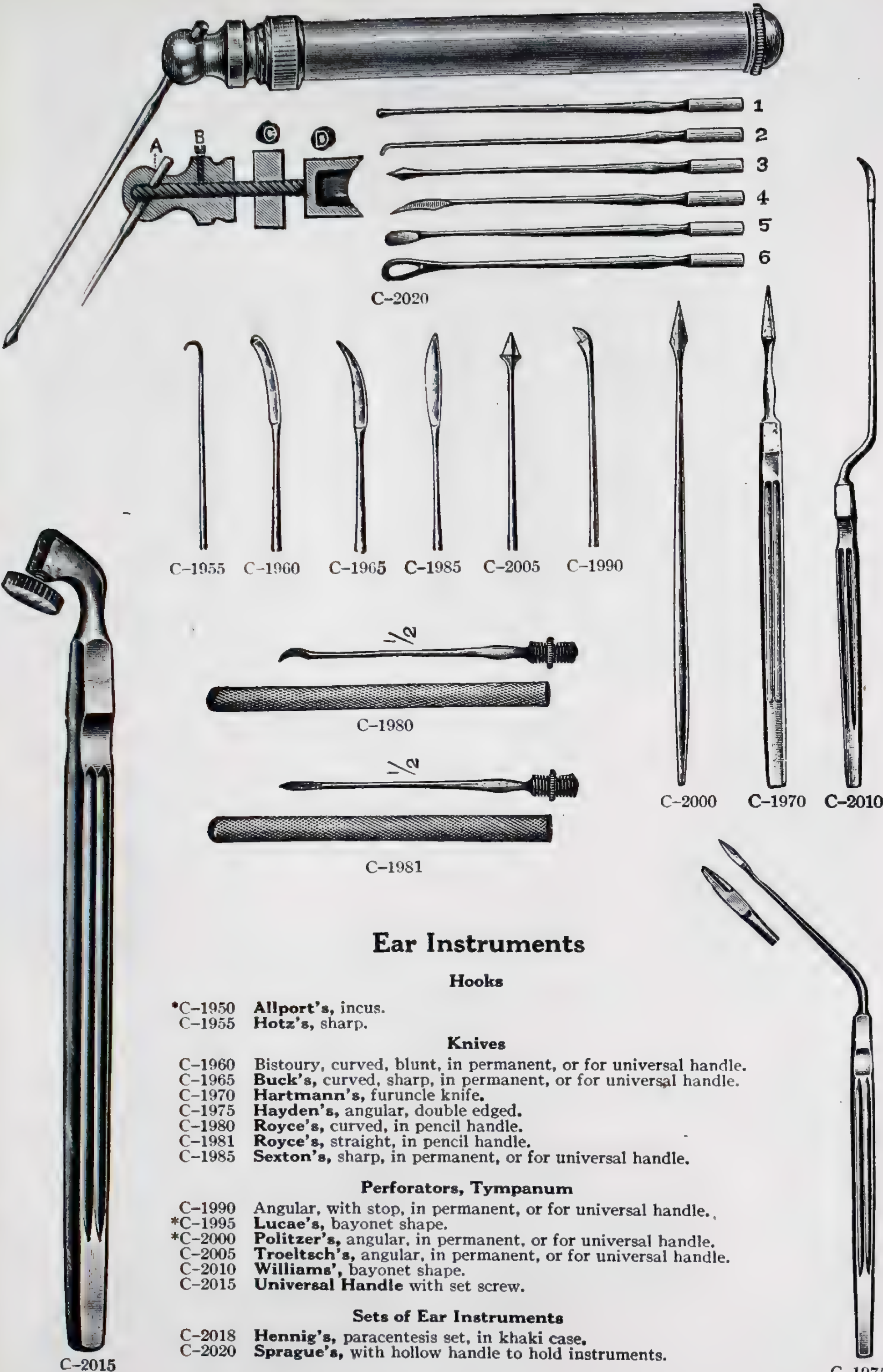
C-1936

C-1935

Ear Instruments

Ear Forceps

C-1890	Blake's, very delicate, serrated points.	C-1905	Hartman - Herzfeld's, alligator jaw, spoon, straight.
C-1895	Hartman's, plain.	C-1910	Haslam's, delicate, bent on edge.
C-1900	Hartman's, alligator jaw, delicate, serrated.	C-1911	Haslam's, delicate, bent on flat.
*C-1901	Hartman's, alligator jaw, delicate, mouse tooth	C-1915	Lucae's, bayonet shape.
*C-1902	Hartman's, alligator jaw, round, cutting, straight.	C-1920	Noyes', alligator jaw, serrated.
C-1903	Hartman's, alligator jaw, oval, cutting, straight.	*C-1921	Noyes', alligator jaw, serrated with mouse teeth.
*C-1904	Hartman-Cittelli's, alligator jaw, spoon, curved upward.	*C-1925	Politzer's.
		*C-1930	Pomeroy's.
		C-1935	Wilde's, serrated points.
		C-1936	Wilde's, mouth tooth points.



Ear Instruments

Hooks

- *C-1950 Allport's, incus.
- C-1955 Hotz's, sharp.

Knives

- C-1960 Bistoury, curved, blunt, in permanent, or for universal handle.
- C-1965 Buck's, curved, sharp, in permanent, or for universal handle.
- C-1970 Hartmann's, furuncle knife.
- C-1975 Hayden's, angular, double edged.
- C-1980 Royce's, curved, in pencil handle.
- C-1981 Royce's, straight, in pencil handle.
- C-1985 Sexton's, sharp, in permanent, or for universal handle.

Perforators, Tympanum

- C-1990 Angular, with stop, in permanent, or for universal handle.
- *C-1995 Lucae's, bayonet shape.
- *C-2000 Politzer's, angular, in permanent, or for universal handle.
- C-2005 Troeltsch's, angular, in permanent, or for universal handle.
- C-2010 Williams', bayonet shape.
- C-2015 Universal Handle with set screw.

Sets of Ear Instruments

- C-2018 Hennig's, paracentesis set, in khaki case.
- C-2020 Sprague's, with hollow handle to hold instruments.



Ear Instruments

Douches

- C-2030 **Fowler's**, glass.
- *C-2035 **Hewitt's**, for middle ear.
- C-2040 **Lucae's**.

Snares

- C-2045 **Blake's**, original.
- C-2046 **Blake's**, improved.
- C-2050 **Krause's**, extra small, for ear.

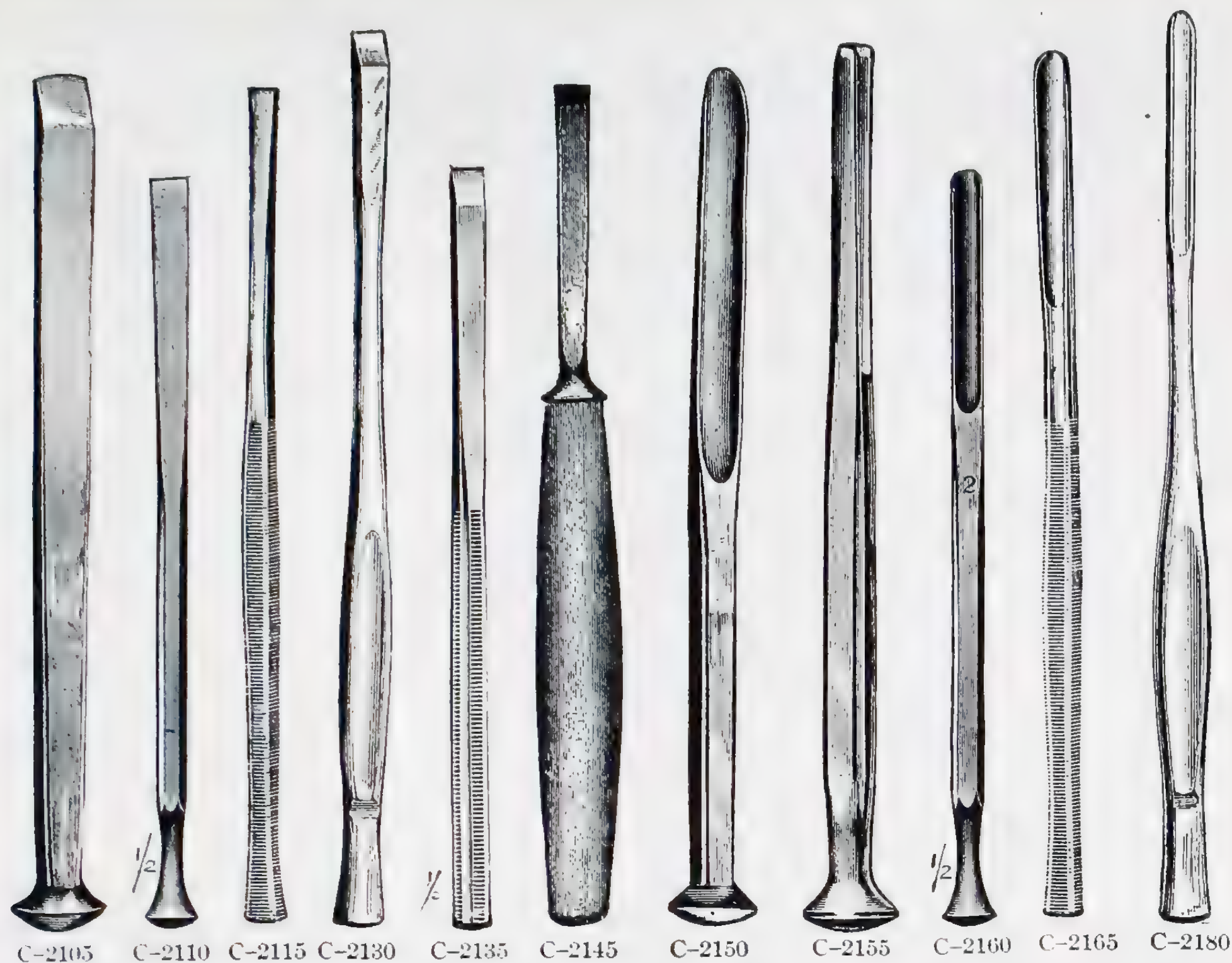
Spouts

- C-2055 **Beck's**, ear drain.
- C-2060 **Brown's**.

- C-2065 **Hosmer's**, plain.
- *C-2066 **Hosmer's**, with spring.

Syringes (see also pages 27 and 29)

- C-2070 **Allport's**.
- *C-2072 **Colburn's**, with middle ear canula only.
- *C-2073 **Colburn's**, with middle ear and lachrymal canula.
- C-2075 Ulcer and ear, soft rubber.
- C-2076 Ulcer and ear, soft rubber, 3 ounces.



Mastoid Instruments

Burrs

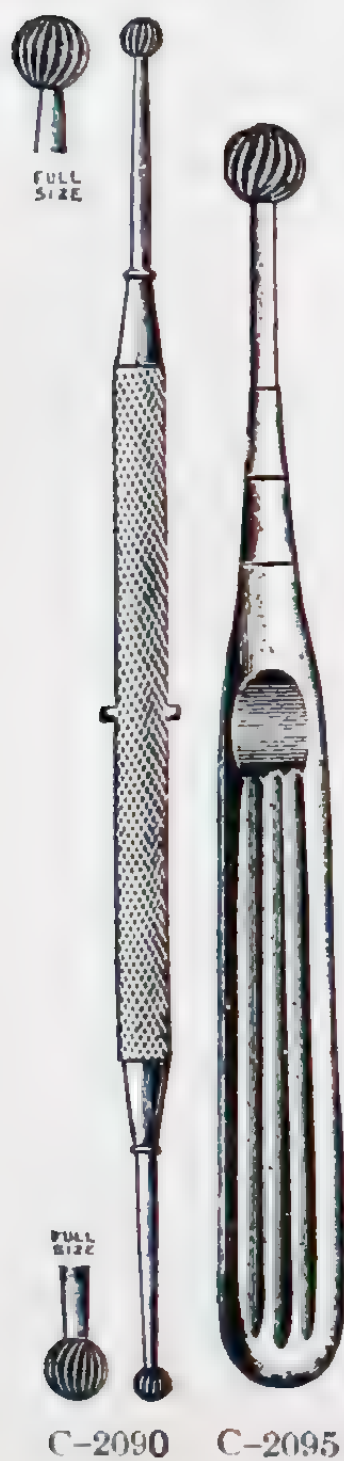
- C-2090 Allport's, eustachian.
- C-2095 Ballenger's, mastoid, 4 sizes.
- *C-2100 Stucky's, eustachian.

Chisels

- C-2105 Alexander's, $6\frac{3}{4}$ inches long, 6 sizes.
- C-2110 Andrew's, 6 inches long, 2 sizes.
- C-2115 Bishop's, $6\frac{3}{4}$ inches long, 3 sizes.
- *C-2120 Down's, 3 sizes.
- *C-2125 Hajek's, 4 sizes, 3, 6, 9 and 12 mm.
- C-2130 Haslam's, 4 sizes, 3, 5, 7 and 9 mm.
- C-2135 Schwartz's, 4 sizes.
- *C-2140 Stacke's, bayonet shape, 1 size.
- C-2145 Whiting's, 6 sizes.

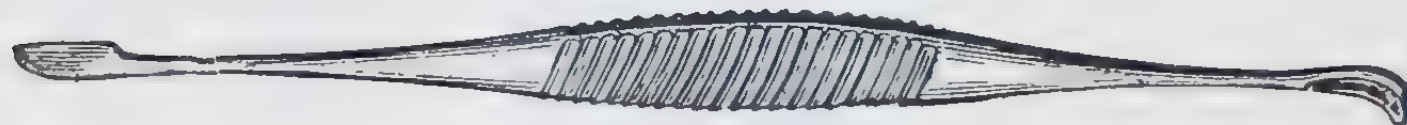
Gouges

- C-2150 Alexander's, $6\frac{3}{4}$ inches long, 6 sizes.
- C-2155 Allport's, $6\frac{3}{4}$ inches long, 6 sizes.
- C-2160 Andrew's, 6 inches long, 2 sizes.
- C-2165 Bishop's, 3 sizes.
- *C-2170 Down's, 3 sizes.
- *C-2175 Hajek's, 4 sizes, 3, 6, 9 and 12 mm.
- C-2180 Haslam's, 4 sizes, 3, 5, 7 and 9 mm.
- *C-2185 Randall's, with weighted handle.
- C-2190 Schwartz's, 4 sizes.
- *C-2195 Stacke's, curved, 3 sizes.
- C-2200 Whiting's, 6 sizes.





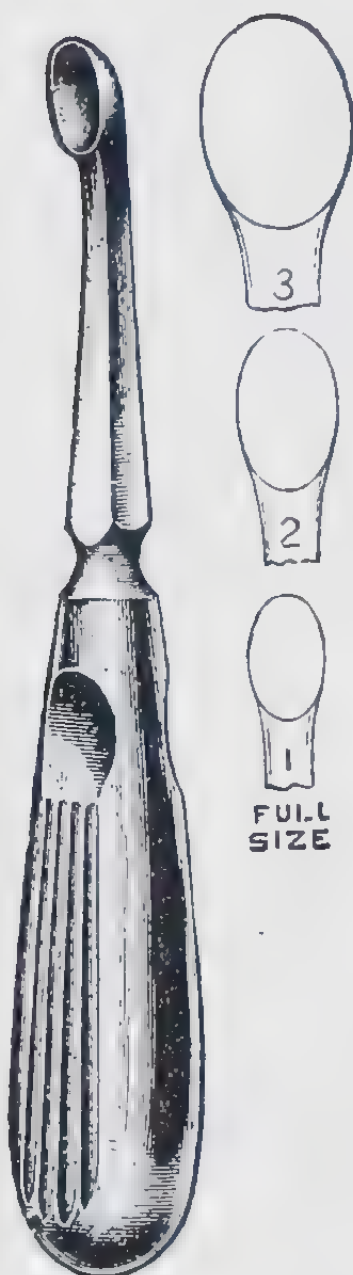
C-2210



C-2220



C-2215



C-2225



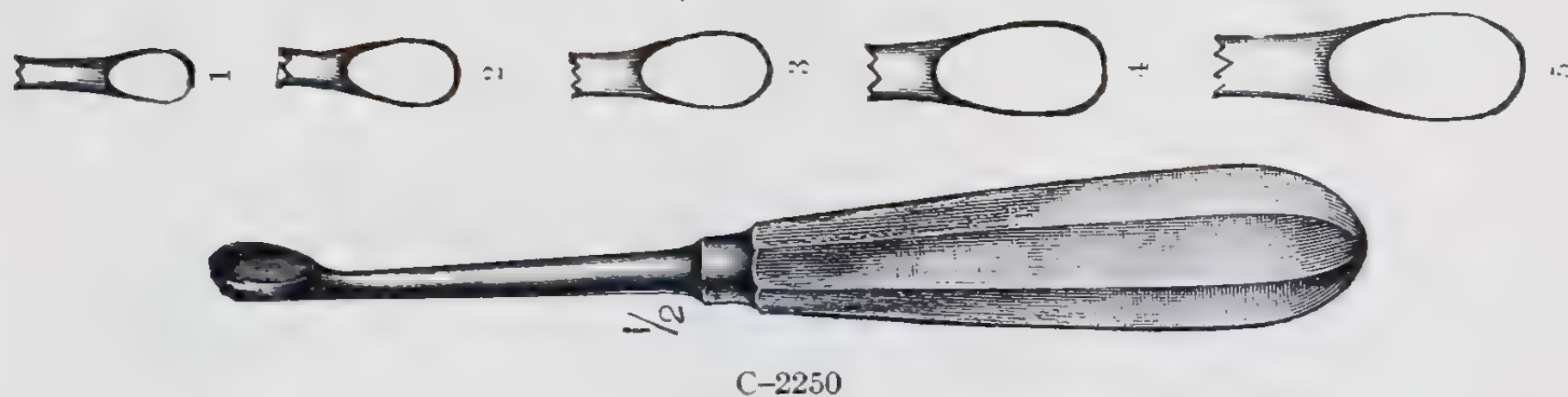
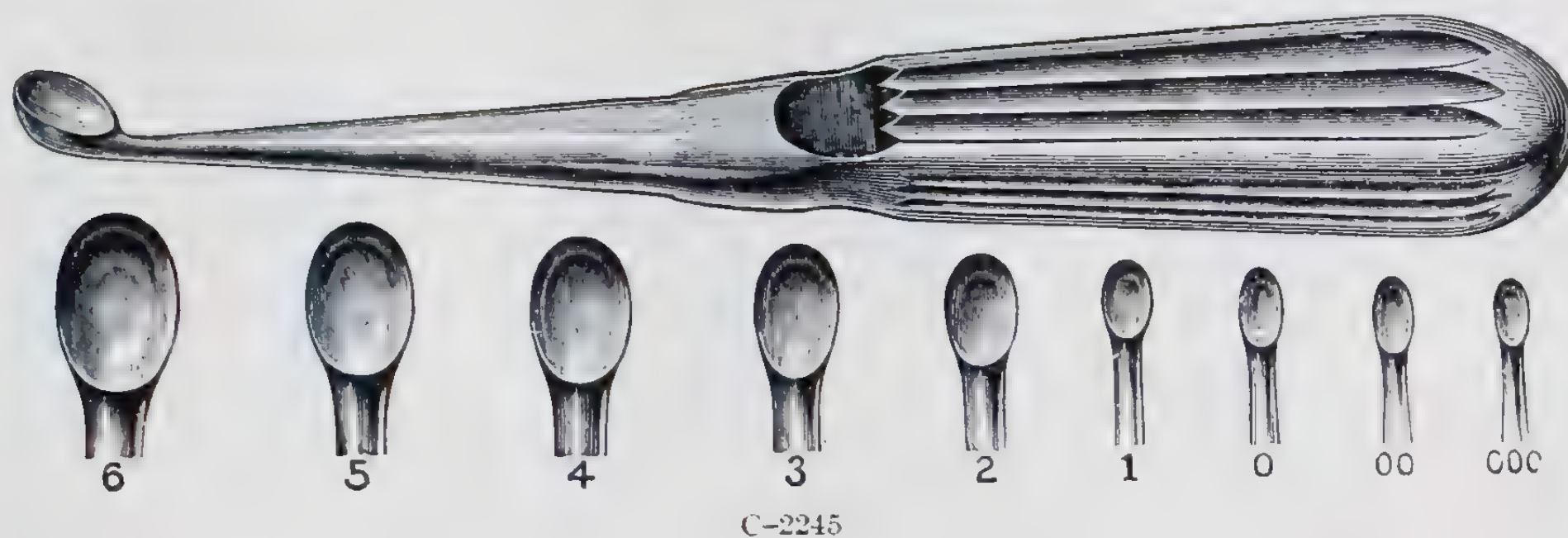
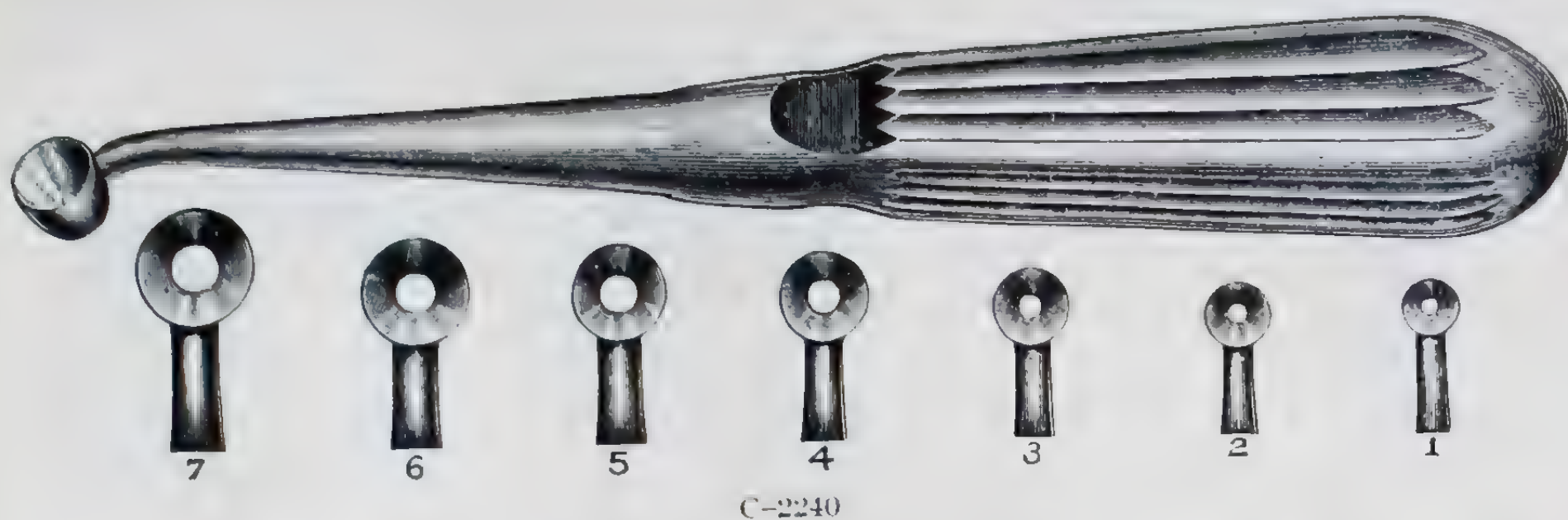
C-2230



Mastoid Instruments

Curettes

- C-2210 Barth's, double end, 2 sizes.
- C-2215 Buck's, round, 4 sizes.
- *C-2216 Buck's, oval, 4 sizes.
- C-2220 Hardy's, double end.
- C-2225 Green's, 3 sizes.
- C-2230 McKernon's, fenestrated, 4 sizes.



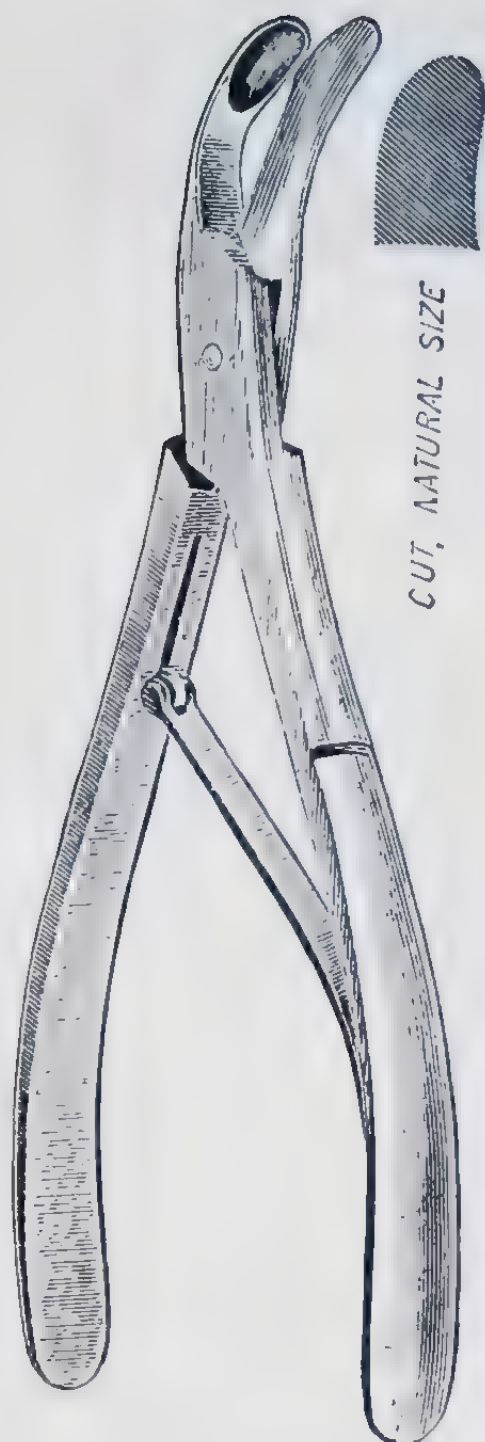
Mastoid Instruments

Curettes

- *C-2235 **Politzer's**, round, fenestrated.
- C-2240 **Richard's**, 7 sizes.
- C-2245 **Spratt's**, 8 sizes.
- C-2250 **Whiting's**, 5 sizes.

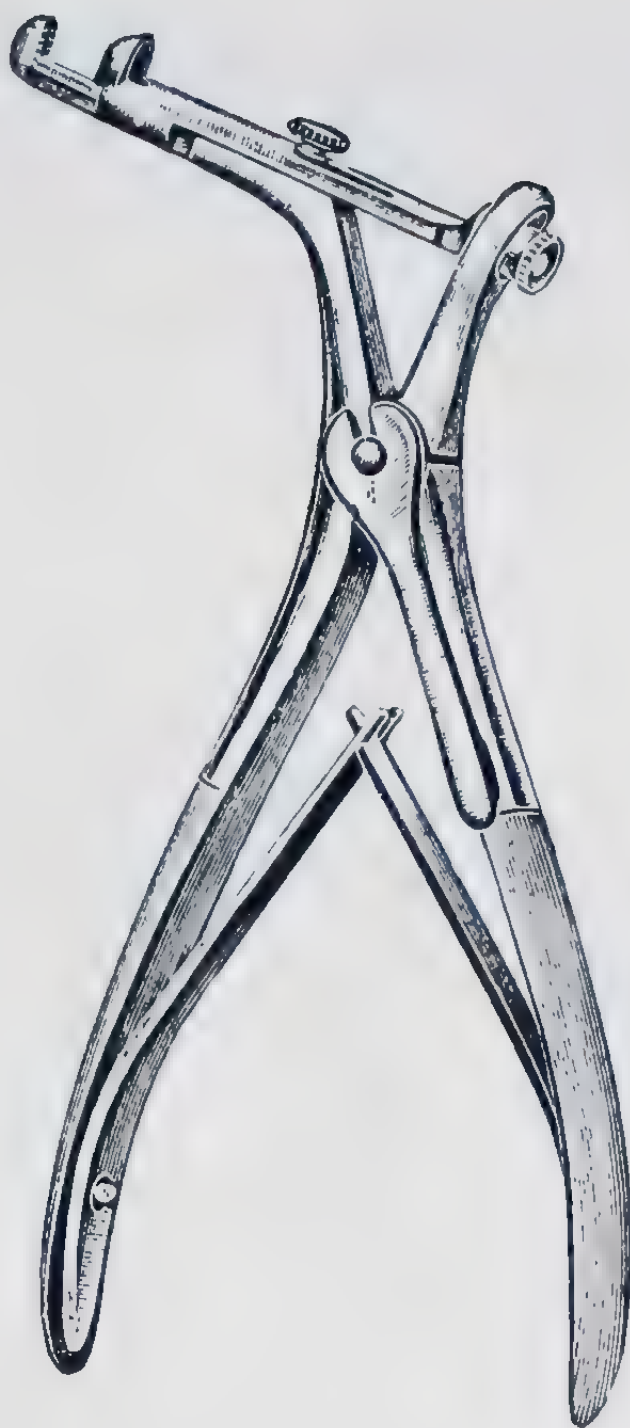
Mallets (see page 102)

- *C-2255 **Fibre**, with metal handle, boilable.
- *C-2260 **Forwood's**, bronze.
- *C-2265 **Hajek's**.
- *C-2270 **Lead Mallet**, small, flat faced.
- *C-2275 **Morgan's**, bronze.
- *C-2280 **Plain**, lead filled.
- *C-2285 **Rawhide**, 2 sizes, small and large.



C-2300

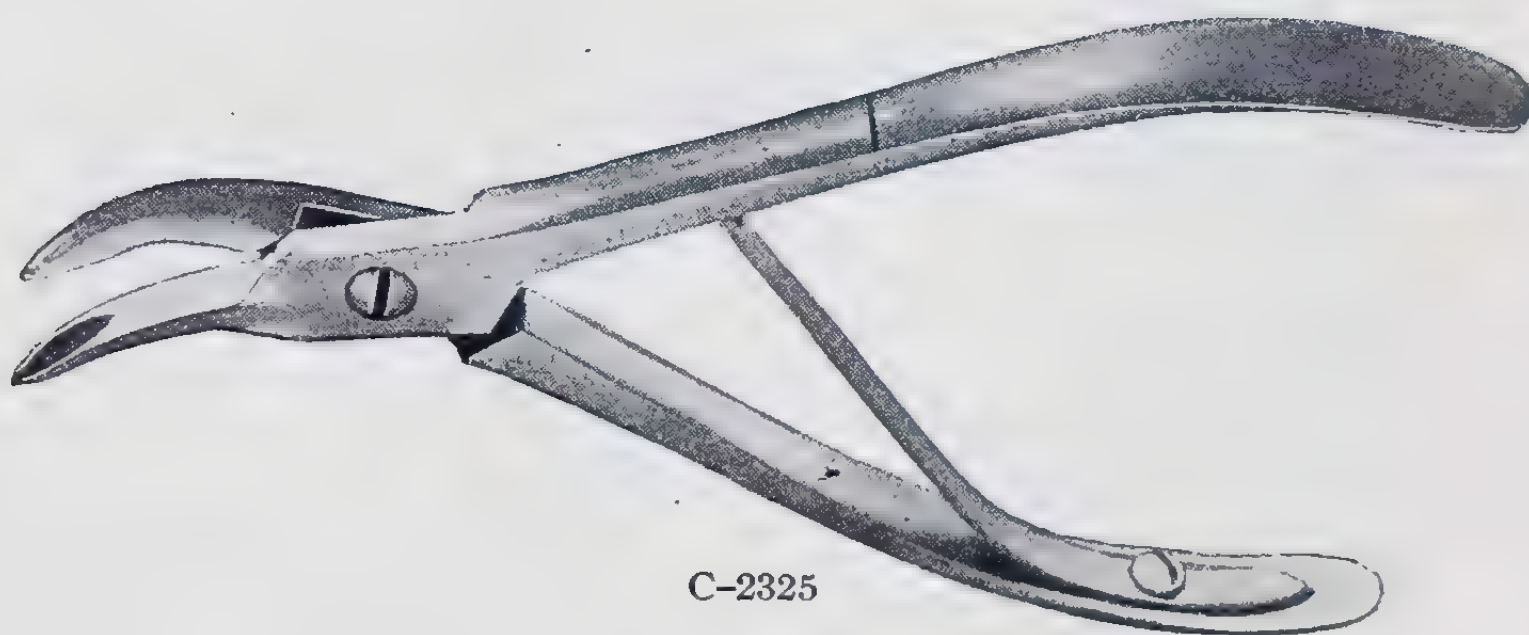
CUT, NATURAL SIZE



C-2310



C-2320



C-2325

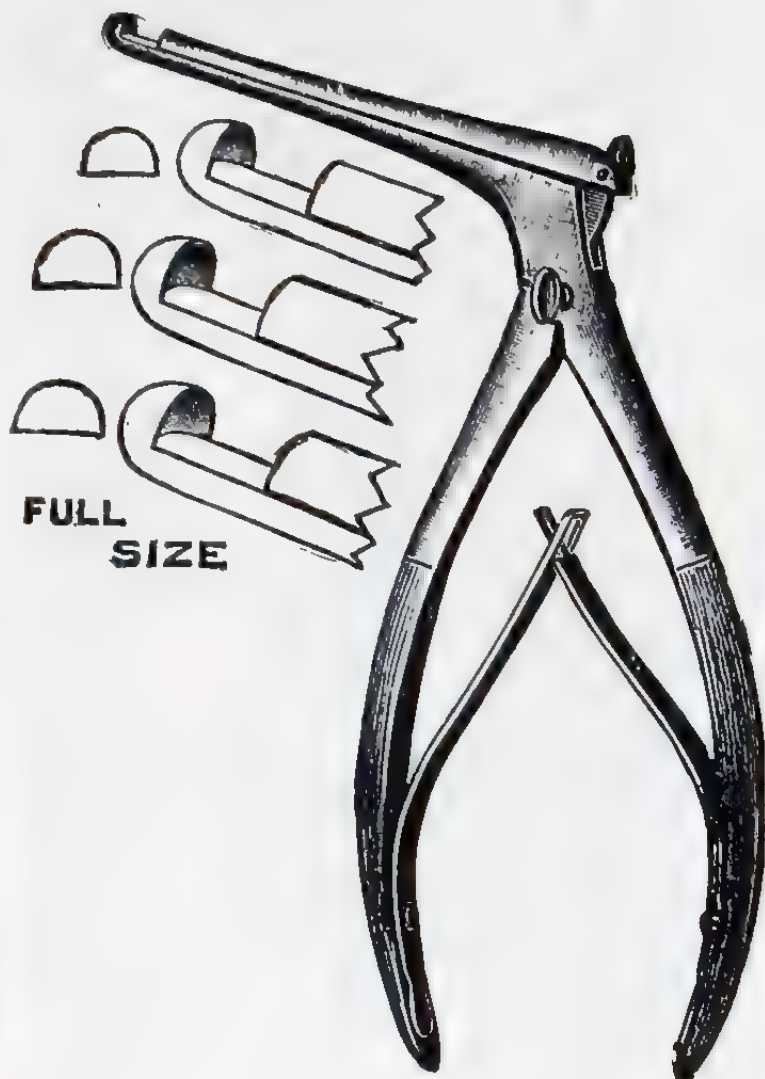
Mastoid Instruments

Mastoid Bone Gouging Forceps

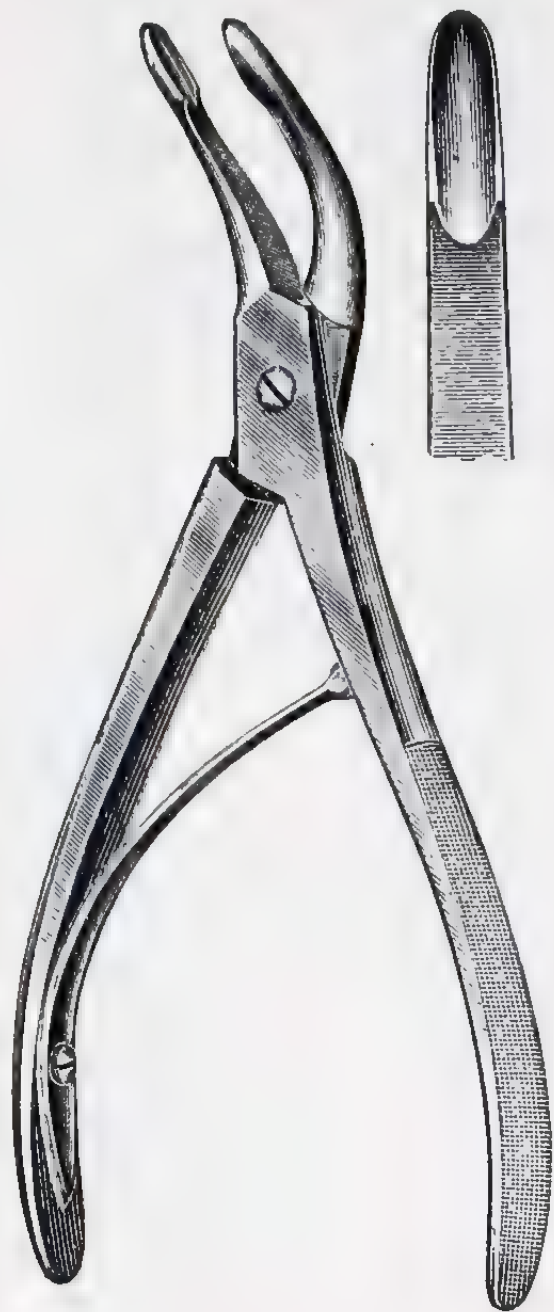
- C-2300 Bane's.
- *C-2305 Barnhill's.
- C-2310 Citti's.
- *C-2311 Citti's, heavy.
- C-2315 Cozzolini-Allport's, latest model.
- C-2320 Hartmann's, curved.
- C-2325 Husk's.



C-2330



C-2335



C-2345

Mastoid Instruments

Mastoid Bone Gouging Forceps

- C-2330 Jansen's.
- C-2335 Kerrison's, 3 sizes.
- *C-2340 Lombard's.
- C-2345 Lucae's.
- C-2350 Pierce's, mortise joint.
- C-2355 Whiting's.
- *C-2360 Zaufal's, curved.
- *C-2361 Zaufal's, straight.



C-2350



C-2355



C-2390



C-2395



C-2400



C-2410



C-2411



C-2415



C-2416



C-2370



C-2371



C-2366

Mastoid Instruments

Elevators, Knives, Pereosteotomes and Raspatories

- *C-2365 Elevator, **Stacke's**.
- C-2366 Guard, **Stacke's**.
- C-2370 Knife, **Allport's**, convex edge.
- C-2371 Knife, **Allport's**, double edge.
- C-2375 Knife, **Buck's**.
- C-2380 Knife, **Heath's**, meatal flap.
- *C-2385 Knife, **Stacke's**, right and left.
- C-2390 Pereosteotome, **Allport's**.
- C-2395 Pereosteotome, **Andrew's**.
- C-2400 Pereosteotome, **Ballenger's**.
- *C-2405 Raspatory, **Buck's**.
- C-2410 Raspatory, **Hartmann's**, straight.
- C-2411 Raspatory, **Hartmann's**, convex.
- C-2415 Raspatory, **Jansen's**, right angled.
- C-2416 Raspatory, **Jansen's**.
- *C-2420 Raspatory, **Trautmann's**.



C-2375



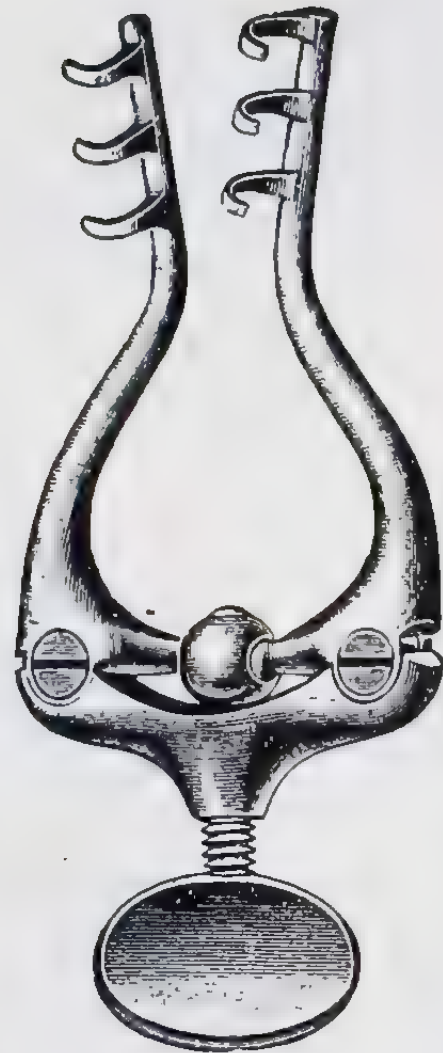
C-2380



C-2430



C-2440



C-2445

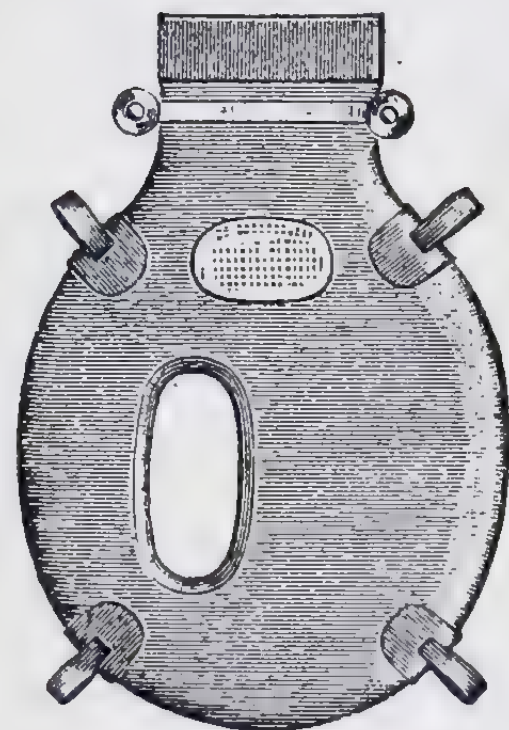


C-2465



C-2460

C-2455



C-2475

Mastoid Instruments

Retractors and Sundries

- C-2430 Retractor, **Allport's**, steel, self-retaining.
- *C-2435 Retractor, **Andrews'**, steel, self-retaining.
- C-2440 Retractor, **Burch-Allport's**, only one necessary for an operation.
- C-2445 Retractor, **Jansen's**,
- *C-2450 Retractor, **Vail's**, small, for babies.
- C-2455 Drainage Tube, **Gruening's**, curved, silver.
- C-2460 Drainage Tube, **Knapp's**, straight, silver.
- C-2465 Cooling Coil, **Leiter's**, metal, for hot or cold water.
- *C-2470 Ice Bag, **Bishop's**, soft rubber.
- C-2475 Ice Bag, **Sprague's**, soft rubber.



C-2505-2506



C-2511



C-2531



C-2555-2556



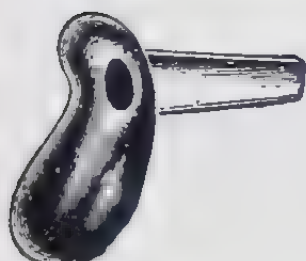
C-2550



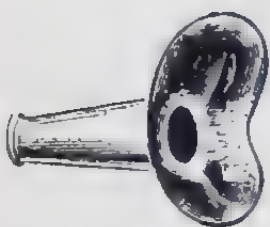
C-2545



C-2525



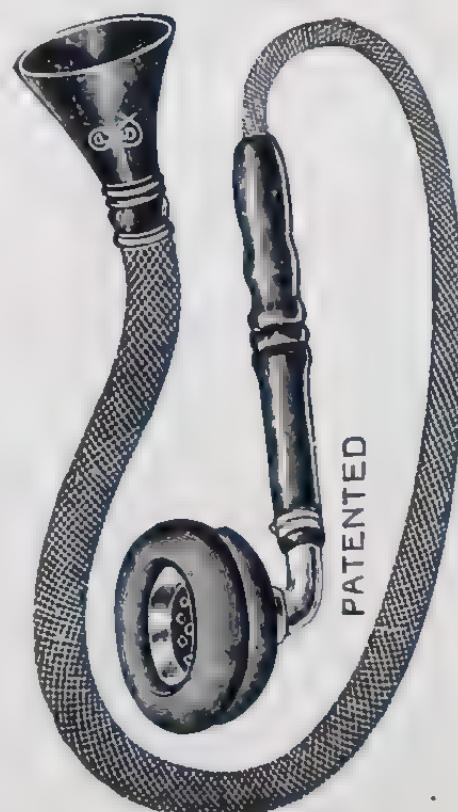
C-2520



C-2521



C-2570

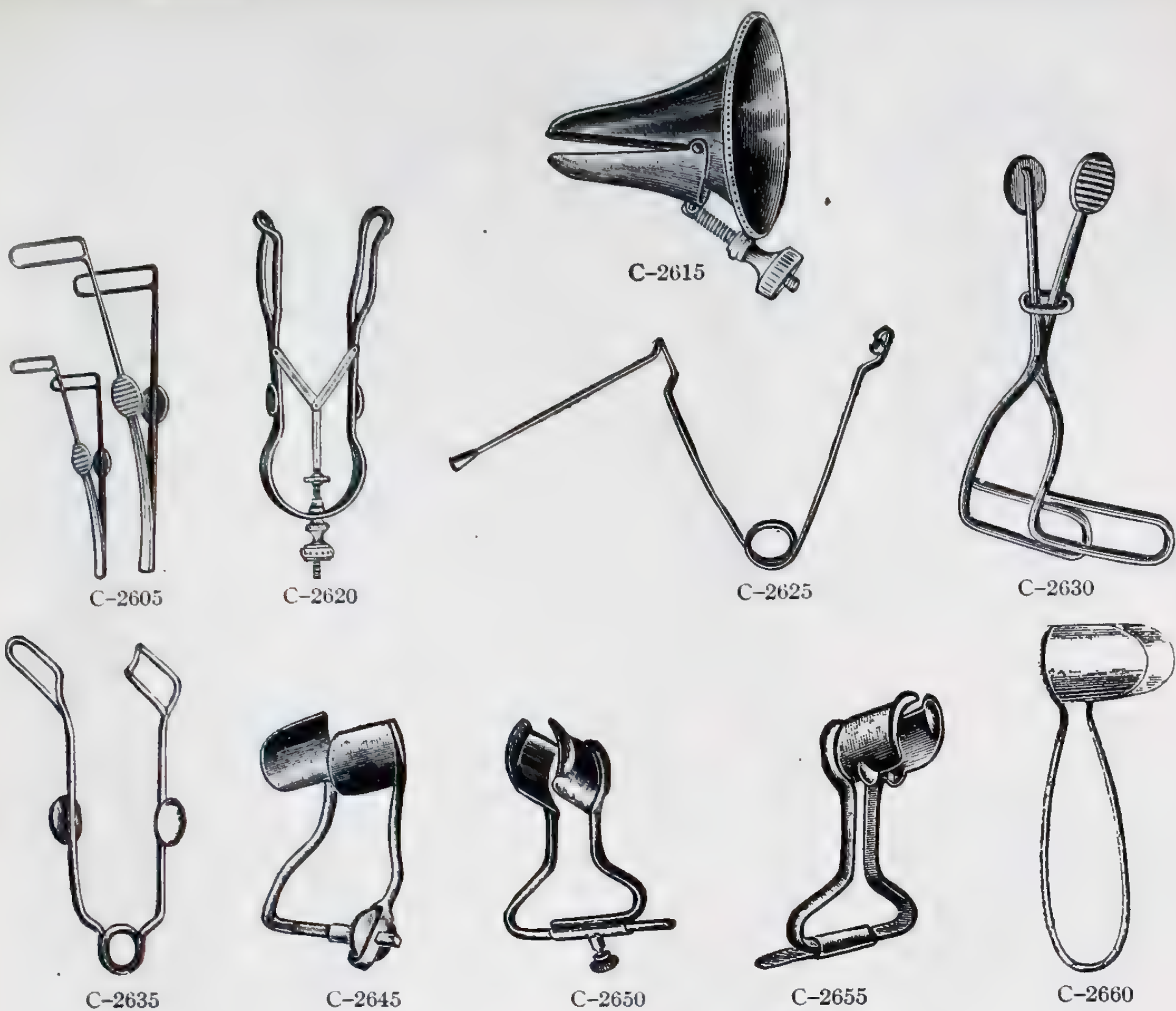


C-2561

Ear Instruments

Hearing Devices

- *C-2500 Apparitor Auris, silver, enameled flesh color.
- *C-2501 Audiphone, hard rubber, fan shape.
- *C-2502 Audiphone, hard rubber, fan shape, folding.
- C-2505 Auricles, leather covered.
- C-2506 Auricles, silk covered.
- *C-2510 Conversation Tube, cylindrical, cotton or silk.
- C-2511 Conversation Tube, conical, cotton or silk.
- *C-2515 Cornets, **Clayton's**, celluloid, right and left.
- C-2520 Cornets, silver, oval.
- C-2521 Cornets, silver, round.
- C-2525 Ear Trumpet, bugle shape, tin, japanned, 3 sizes.
- *C-2530 Ear Trumpet, telescopic, hard rubber, 1 part.
- C-2531 Ear Trumpet, telescopic, hard rubber, 2 parts.
- *C-2532 Ear Trumpet, telescopic, hard rubber, 3 parts.
- *C-2535 Hearing Horn, **Clayton's**, celluloid, fan shape.
- *C-2540 Hearing Horn, double dome.
- C-2545 Hearing Horn, **Greene's**, tin, japanned, short or long tube.
- C-2550 Hearing Horn, "Little Giant," very powerful.
- C-2555 Hearing Horn, London, black finish, small, medium and large.
- C-2556 Hearing Horn, London, nickel finish, small, medium and large.
- *C-2560 Stetho-Clare, No. 1A, cylindrical, silk tube.
- C-2561 Stetho-Clare, No. 1, conical, silk tube.
- *C-2562 Stetho-Clare, No. 3, with two conical silk tubes and bells.
- *C-2563 Stetho-Clare, No. 2, for distance.
- C-2570 Tympanum, **Toynbee's**, artificial.



Nasal Instruments

Specula

- *C-2600 Beckman's.
- C-2605 Bosworth's, steel or brass, 2 sizes, improved.
- *C-2606 Bosworth's, plain wire.
- *C-2610 Collin's.
- C-2615 DeRoalde's.
- C-2620 Fraenkel's, improved, with spring.
- C-2625 Heffernan's, right and left.
- C-2630 Jarvis'.
- C-2635 Lublinski's.
- *C-2640 Monosmith's.
- C-2645 Muncaster's.
- C-2650 Myles', 3 sizes.
- C-2655 Ray's, 2 sizes.
- C-2660 Thudicum's.
- C-2665 Yankauer's, naso pharyngeal.



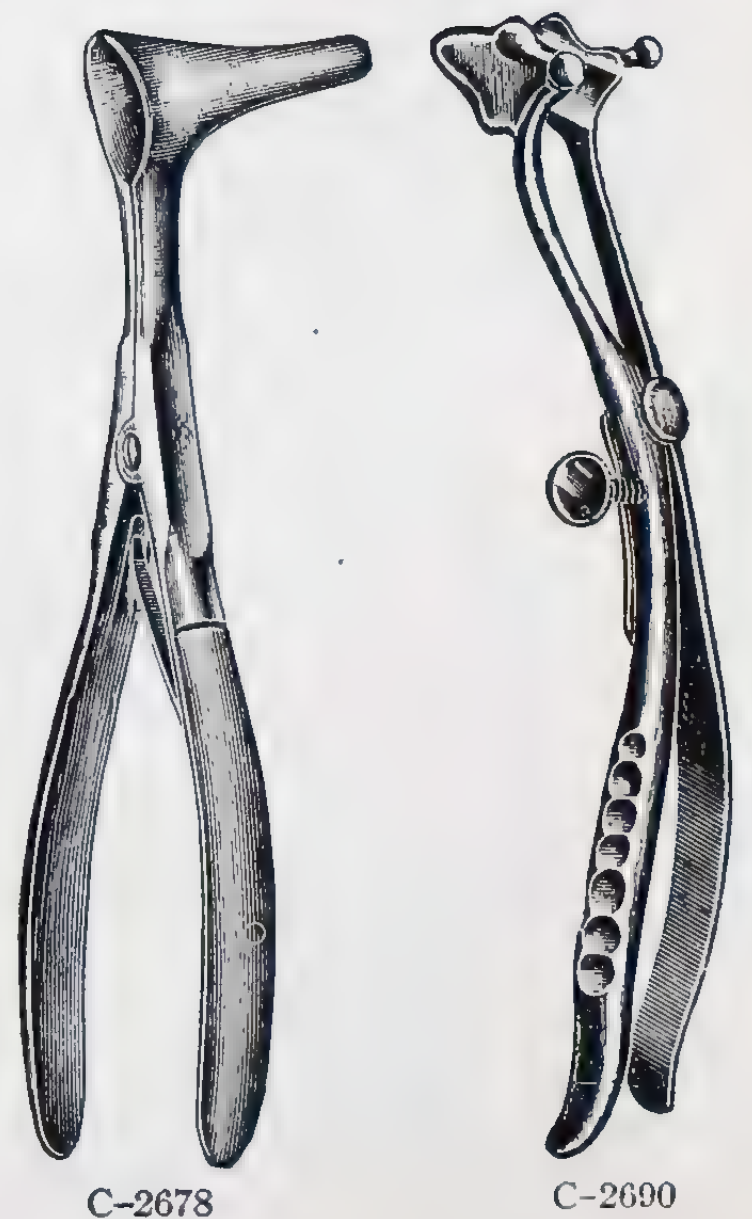
C-2665

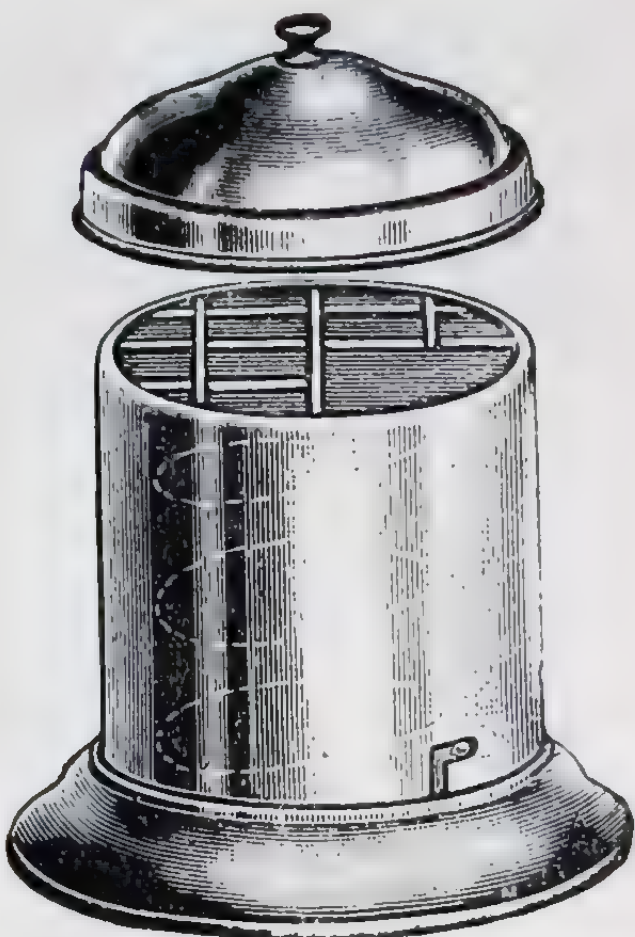


Nasal Instruments

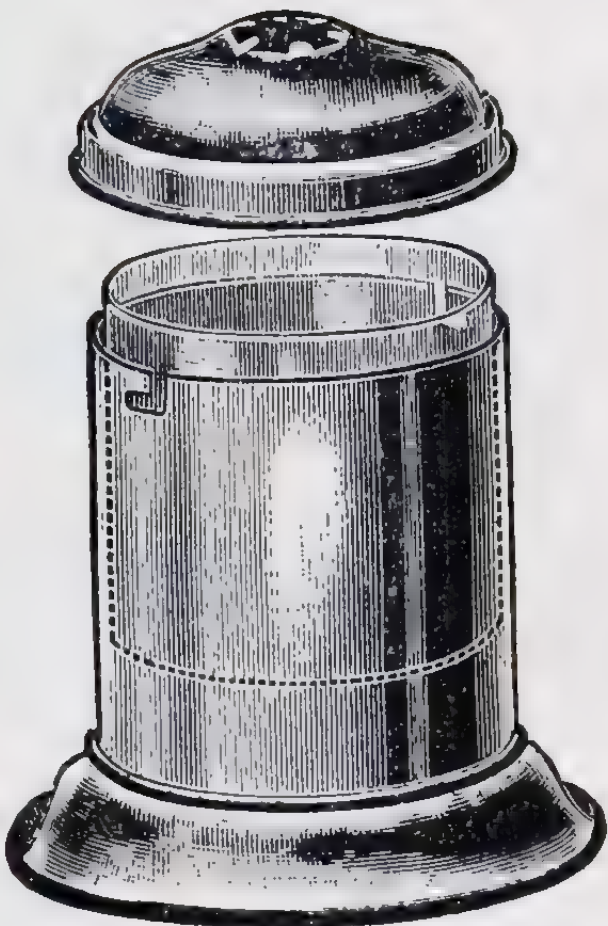
Specula

- C-2670 Coakley's.
- C-2675 E. S. I. Co., electrically lighted.
- C-2676 Extra lamps, E. S. I. Co., No. 13.
- C-2678 Gerzog's-Reiner Model, forged steel, thin blades.
- C-2680 Hartmann's.
- C-2685 Ingal's, nickel-plated.
- *C-2686 Ingal's, fine, steel.
- C-2690 Pynchon's.
- *C-2695 Vienna pattern.





C-2750



C-2755



C-2760

Nasal Instruments

Applicators

- C-2700 Andrews', aluminum, 3 sizes.
- *C-2705 Farlow's, post nasal.
- *C-2710 Ivans', all steel, pharyngeal.
- C-2715 Kyle's, all steel.
- C-2720 Plain, aluminum, 2 rough ends.
- C-2721 Plain, aluminum, 1 flat and 1 rough end.
- C-2725 Plain, with handle, flat end.
- *C-2726 Plain, with handle, triangular end.
- *C-2727 Plain, with handle, rough end.
- C-2728 Plain, with handle, spiral end.
- C-2730 Post Nasal, steel.
- *C-2735 Tapering, 8 inches, spiral end, copper or aluminum.

Probes

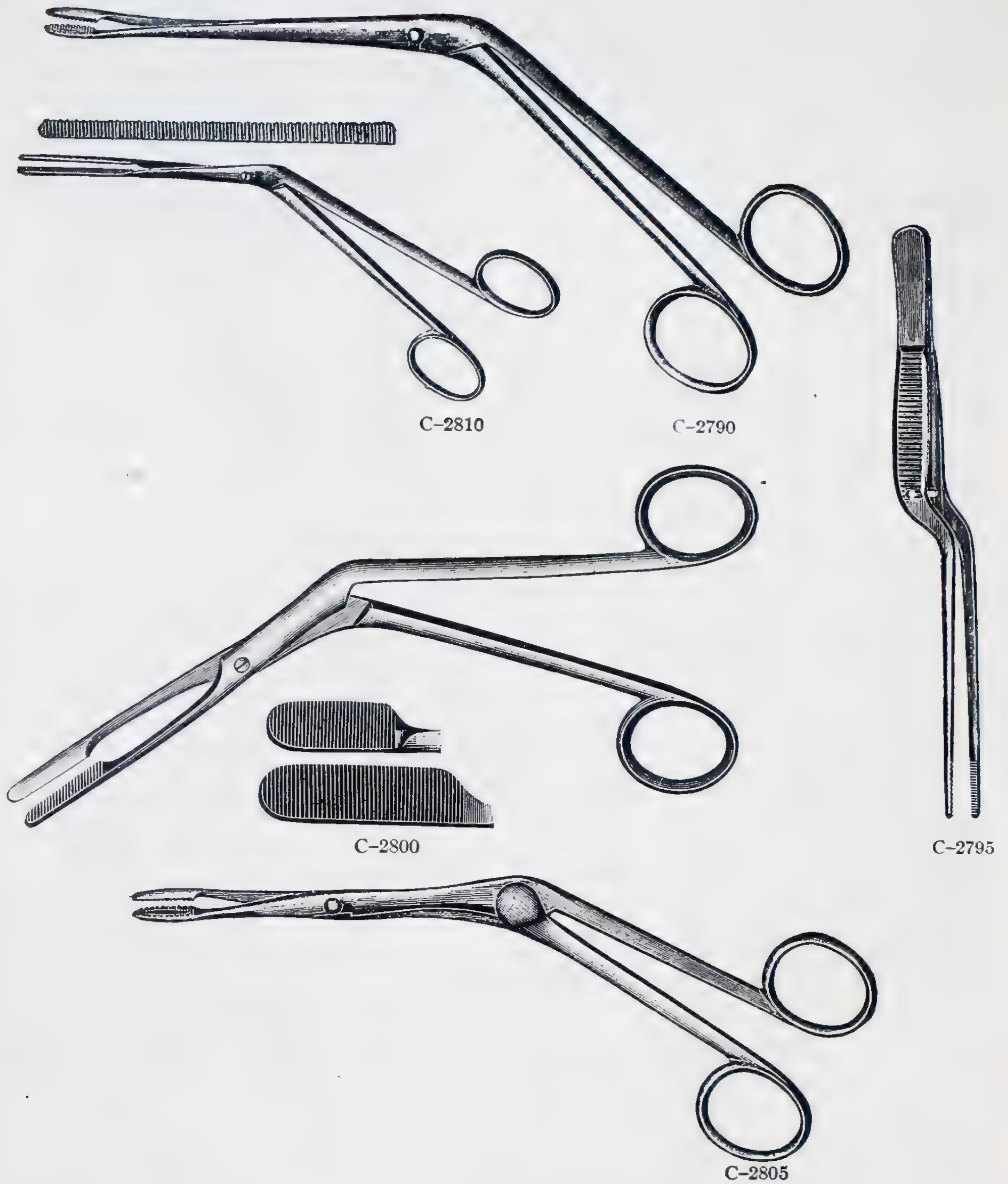
- *C-2740 Angular, Farlow's, plated.
- *C-2745 Plain, flexible, plated.

Reservoirs for Cotton

- *C-2748 Farrell's, nickel-plated top, opal glass base.
- C-2750 Phillips'.
- *C-2751 Phillips', with waste trough.

Reservoirs for Waste

- C-2755 Campbell's.
- *C-2758 Farrell's Waste Box, nickel-plated top, opal glass base.
- C-2760 Yankauer's Cocaine Cup, porcelain.
- *C-2765 Dappen's Solution Jars, crystal, amber, blue or green.

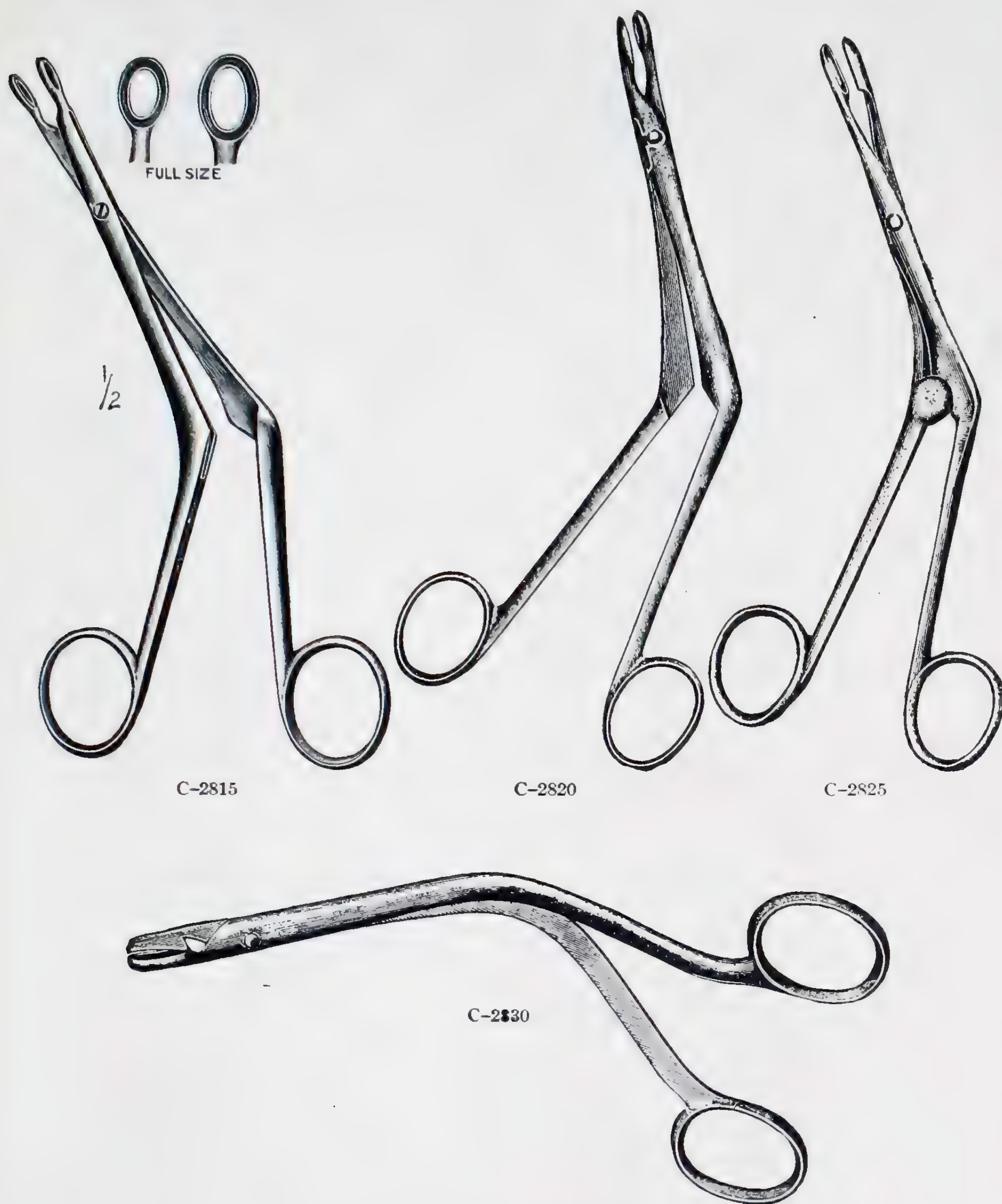


Nasal Instruments

Nasal Forceps

Dressing and Polypus Forceps

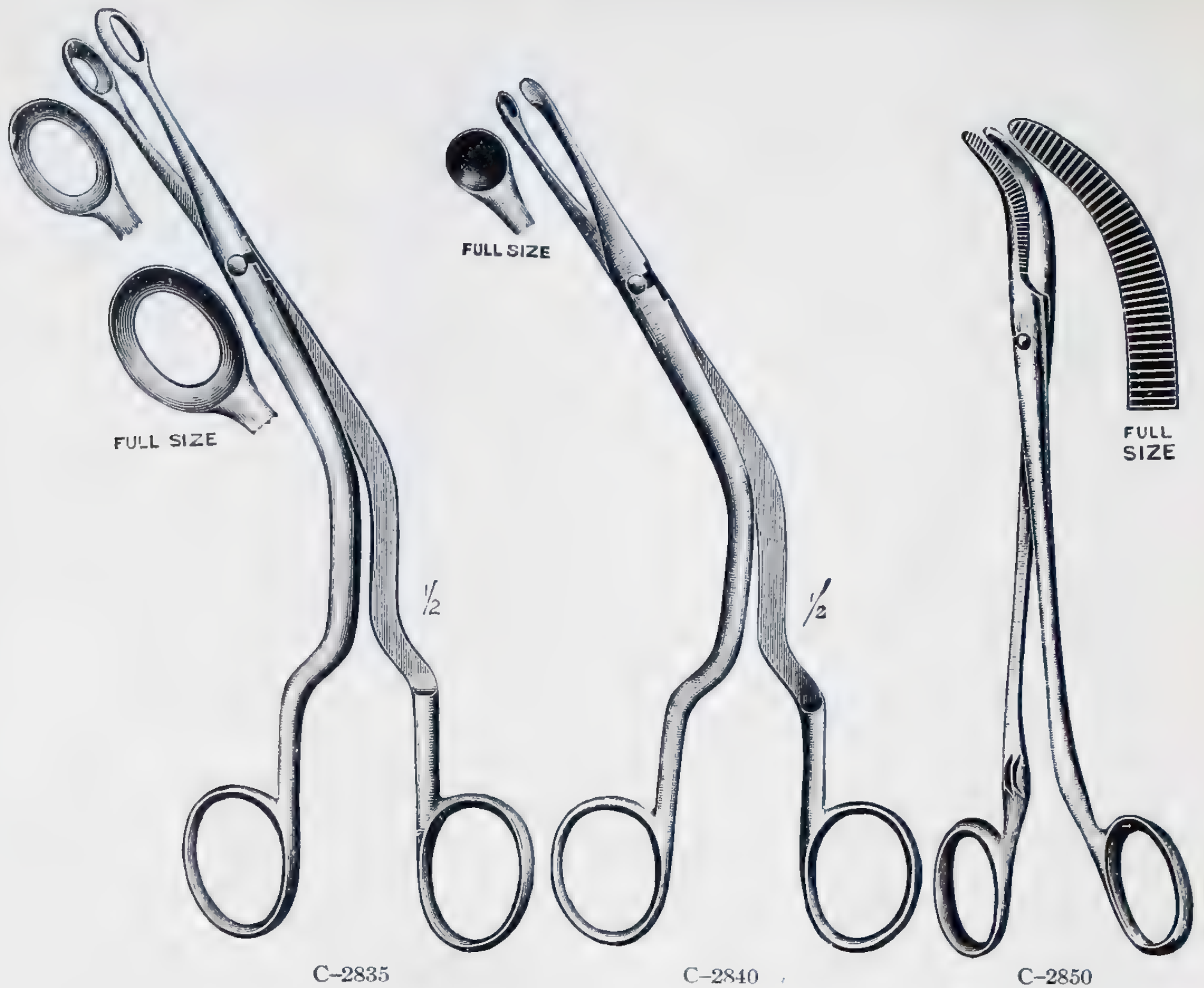
- *C-2780 Duplay's, polypus, curved.
- *C-2785 Gross', polypus, curved.
- C-2790 Hartman's, dressing.
- C-2795 Jansen's, dressing.
- C-2800 Killian's, septum compression, small and large.
- C-2805 Knight's, polypus.
- C-2810 Musehold's, dressing and tampon.



Nasal Instruments

Forceps

- C-2815 Bruening's, large and small.
- C-2820 Heymann's, improved, cutting.
- C-2825 Knight's, cutting.
- C-2830 Pyncheon's, cutting.



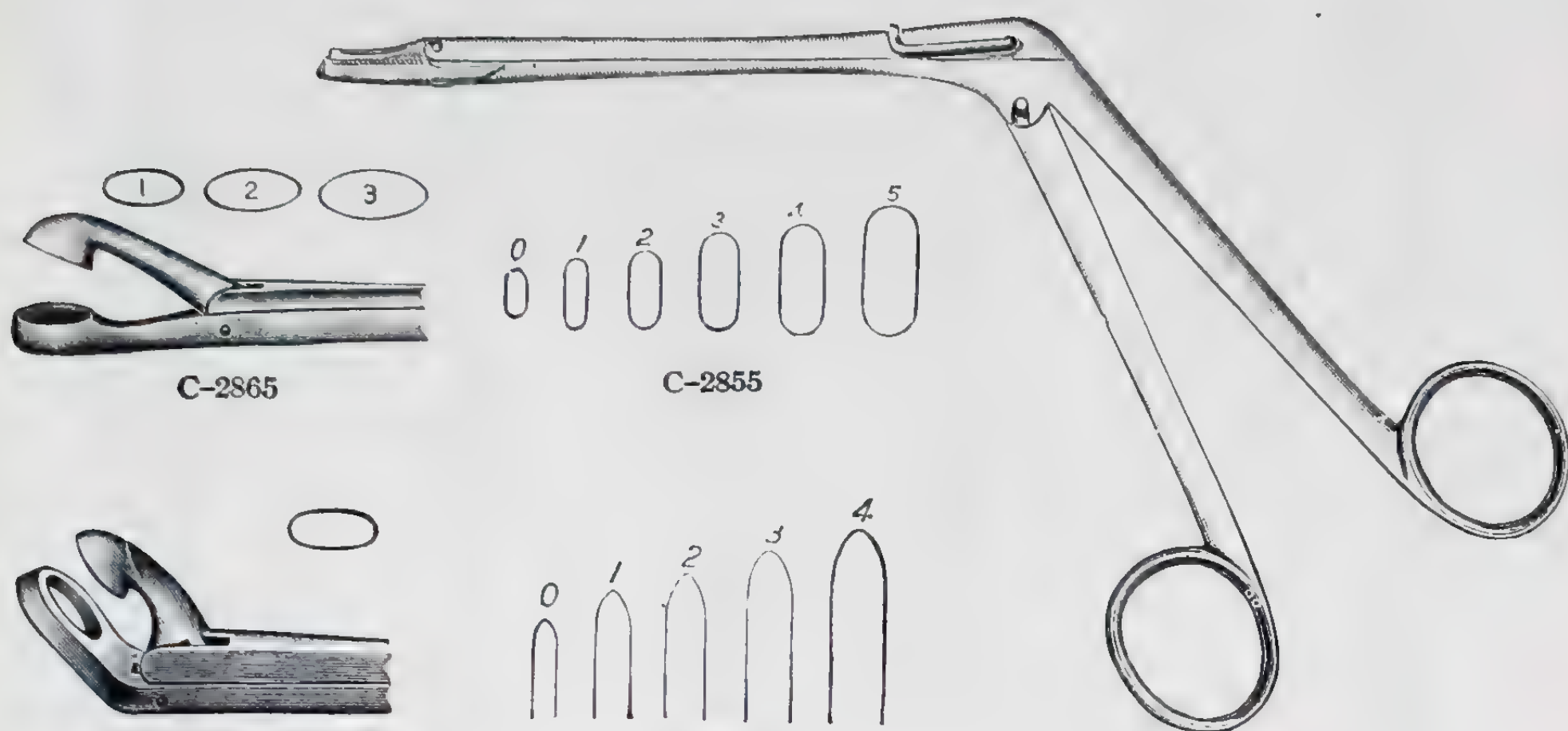
Nasal Instruments

Forceps

- C-2835 **Luc's**, fenestrated, cutting, 2 sizes.
- C-2840 **Luc's**, spoon jaws, cutting.
- C-2850 **Shallcross'**, haemostatic.
- C-2852 **Valle-Heath's**, dressing, new.



C-2852



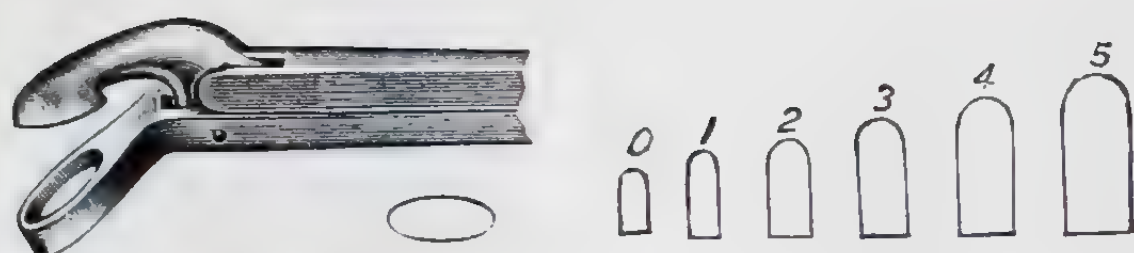
C-2865

C-2855

C-2866

C-2860

C-2855-2860-2870



C-2869

C-2870



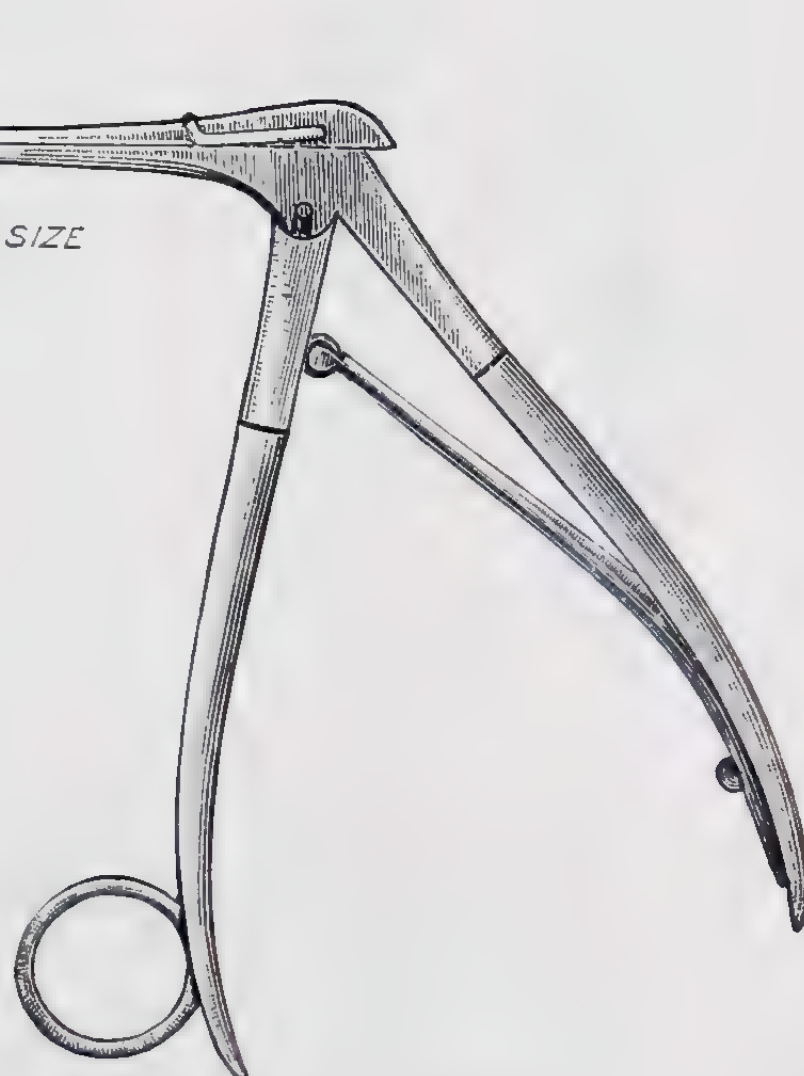
C-2875

CUT, NATURAL SIZE

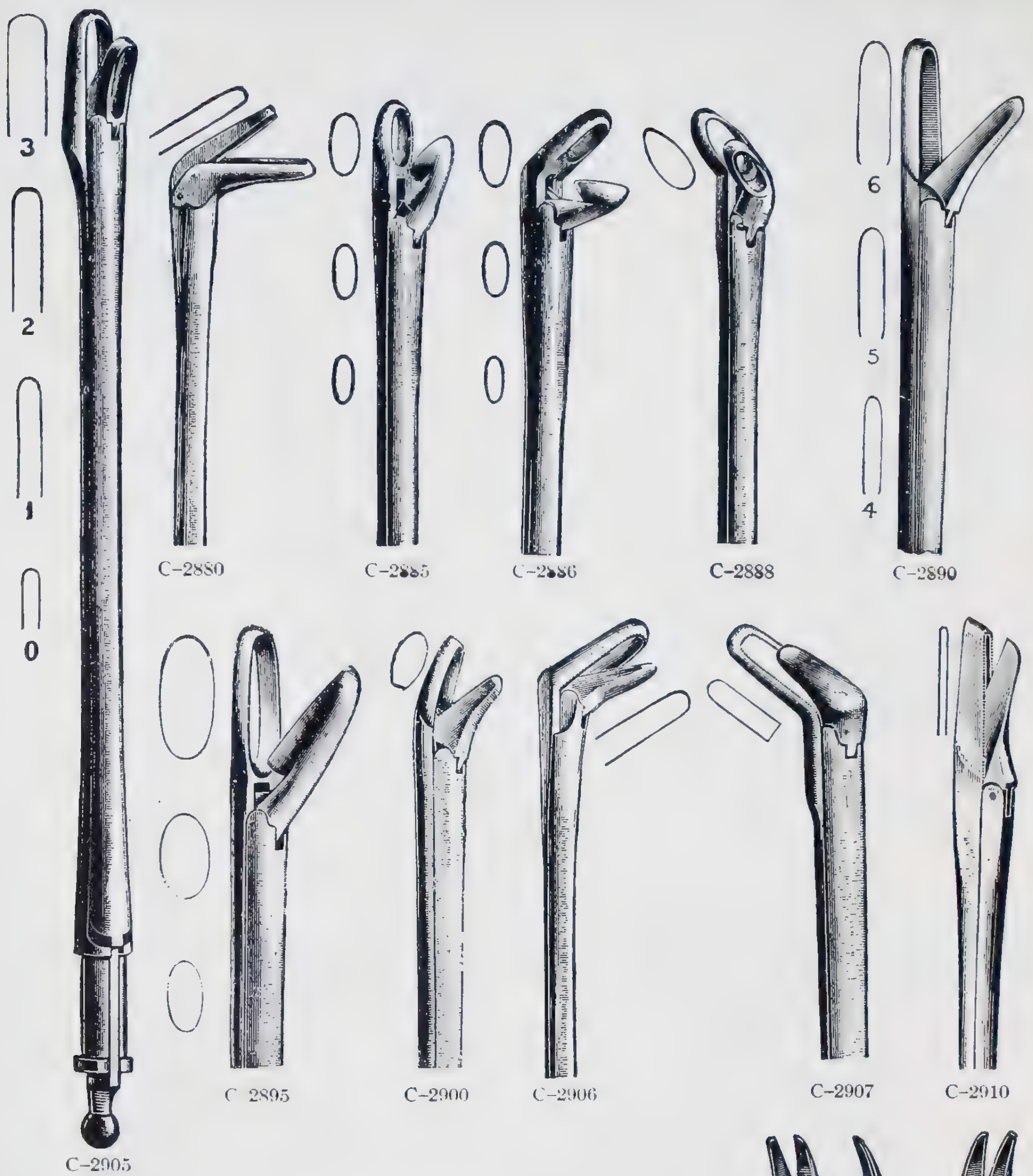
Nasal Instruments

Forceps, Cutting, Ring Handles

- C-2855 Gruenwald's, oval, 6 sizes.
- C-2860 Gruenwald's, long jaw, 5 sizes.
- C-2865 Gruenwald-Hartmann's, oval, 3 sizes.
- C-2866 Gruenwald-Hartmann's, curved up.
- *C-2867 Gruenwald-Hartmann's, curved down.
- *C-2868 Gruenwald - Hartmann's, curved to right.
- C-2869 Gruenwald - Hartmann's, curved to left.
- C-2870 Myles', straight, 6 sizes.
- *C-2871 Myles', curved up, ethmoid.
- C-2875 Noyes', grasping, serrated jaw.
- C-2876 Struycken's, latest.



C-2876

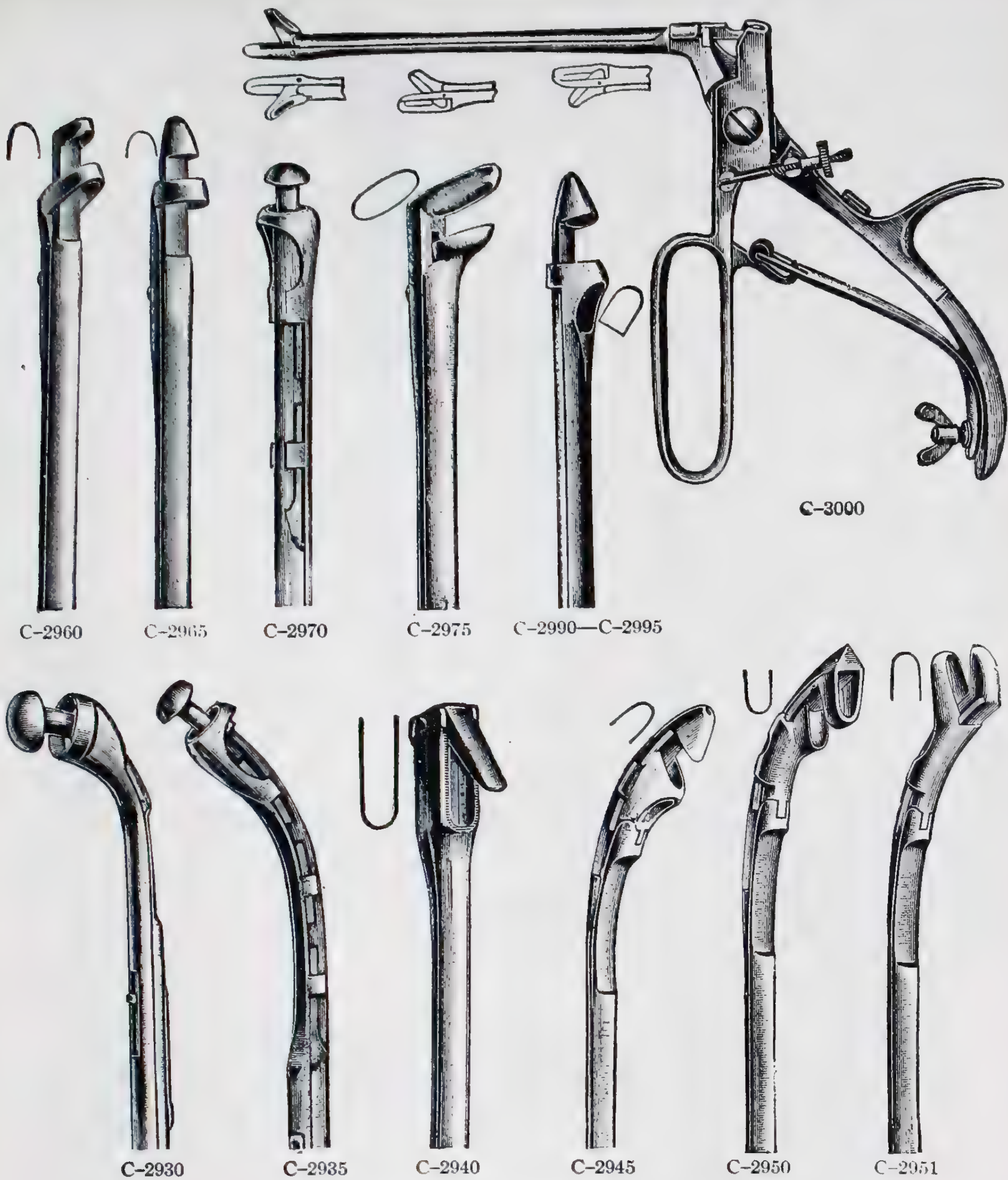


Nasal Instruments

- Nasal Cutting Forceps—Fitting Universal Handle
- C-2880 Fry's, curved up.
 - C-2885 Gruenwald's, straight, 3 sizes.
 - C-2886 Gruenwald's, curved up or down, reversible.
 - C-2888 Gruenwald-Kuemmels, curved right and left.
 - C-2890 Gruenwald-Struycken's, 3 sizes.
 - C-2895 Hartman's, oval, straight, 3 sizes.
 - C-2900 Lermoyez's.
 - C-2905 Myles', straight, 4 sizes.
 - C-2906 Myles', curved up, 1 size.
 - C-2907 Myles', curved, right or left.
 - C-2910 Struycken's, cutting, straight.

- Nasal Scissors
- *C-2915 Hartman's, straight.
 - *C-2920 Holmes', straight.
 - C-2921 Holmes', curved.
 - *C-2925 Watson's, angular.





Nasal Instruments

Punches Fitting Universal Handle
Antrum

- C-2930 Anderson's.
- C-2935 Fletcher's.
- C-2940 Ostrom's, straight, reversible.

- C-2945 Speiss', curved.
- C-2950 Wagner's, cutting forward.
- C-2951 Wagner's, cutting backward.

Ethmoid and Sphenoid

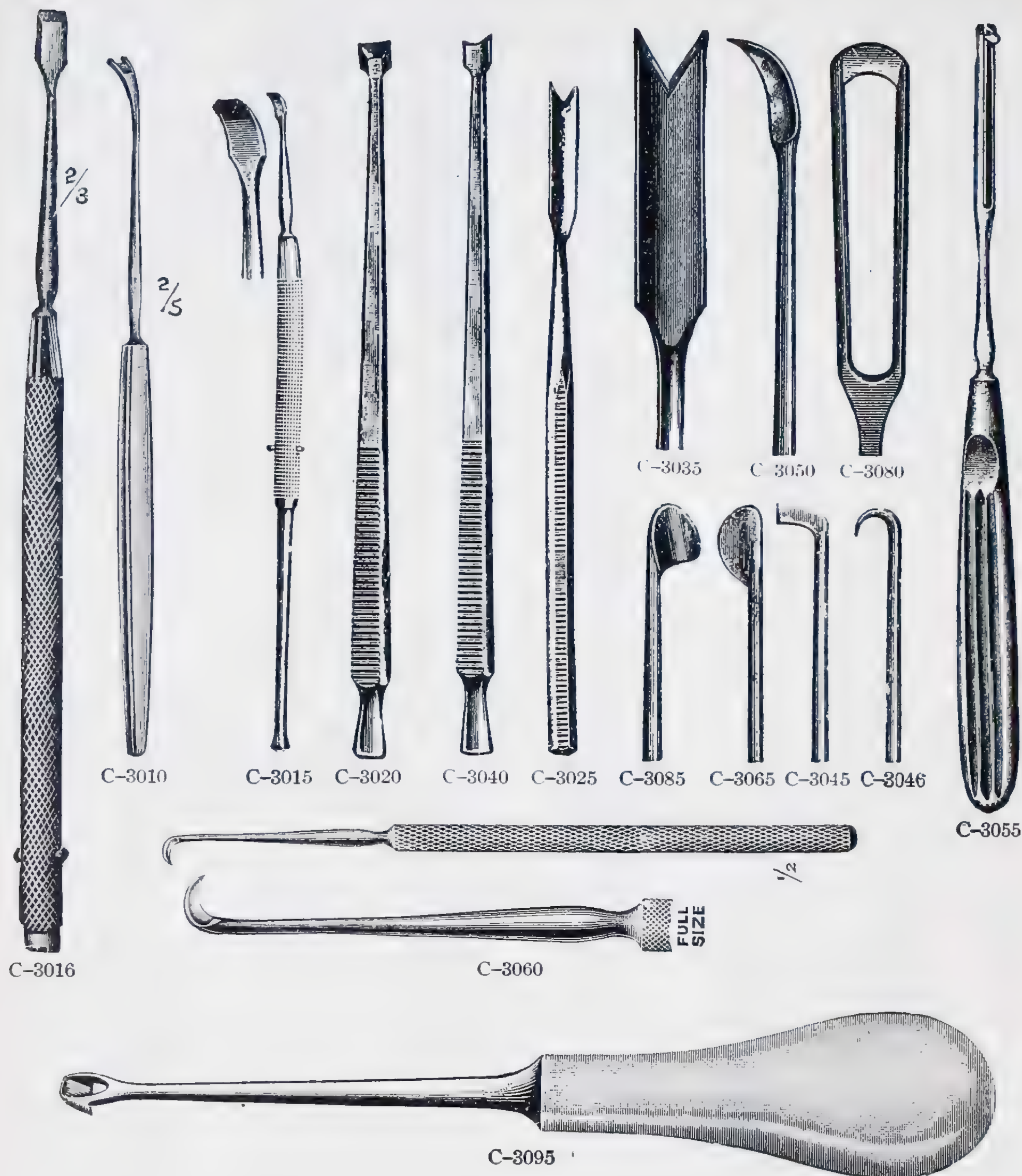
- *C-2955 Anderson's, sphenoidal.
- C-2960 Cordes', ethmoid.
- C-2965 Cordes', sphenoid.
- C-2970 Fletcher's, ethmoid and sphenoid.
- C-2975 Gruenwald's, ethmoid, reversible.
- *C-2980 Lange's, ethmoid, curved.

- *C-2985 Lange's, curved, with probe point.
- C-2990 Schmithuisen's, ethmoid and sphenoid, 4½ inches.
- C-2995 Schmithuisen's, ethmoid and sphenoid, 6¼ inches.

NOTE—Prices quoted are for punches only. Handle extra.

Universal Handle

C-3000 Handle, fitting any of the punches listed above.



Nasal Instruments

Chisels, Gouges, Cures, Knives, Hooks, Etc.

- | | | | |
|---------|--|---------|--|
| C-3010 | Chisel, Andrews' , turbinated. | C-3055 | Knife, Ballenger's , swivel, septum, 2 sizes. |
| C-3015 | Chisel, Freer's , curved, submucous septum. | C-3060 | Knife, Dean's , turbinate, right and left. |
| C-3016 | Chisel, Freer's , straight, submucous septum. | C-3065 | Knife, Ingal's , septum. |
| C-3020 | Chisel, White's . | *C-3070 | Knife, Killian's , exostosis. |
| C-3025 | Gouge, Ballenger's , V-shape. | *C-3075 | Knife, Kyle's , septum. |
| *C-3030 | Gouge, Freer's , 2 sizes. | C-3080 | Knife, Nichol's , spoke shave, with 1 blade. |
| C-3035 | Gouge, Hajek's , 3 sizes. | C-3085 | Knife, Schultz's , spoke shave, right and left. |
| C-3040 | Gouge, White's , | *C-3090 | Knife, Sluder's , turbinate, set of 2, right and left, with 1 handle. |
| C-3045 | Hook, Hajek's , flat, sharp. | C-3095 | Shave, Burrell's , submucous septum. |
| C-3046 | Hook, Hajek's , sharp pointed. | | |
| C-3050 | Knife, Allen's , septum. | | |



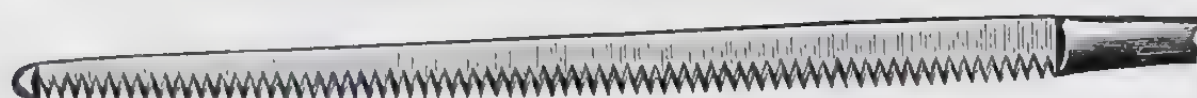
C-3101



C-3100



C-3110



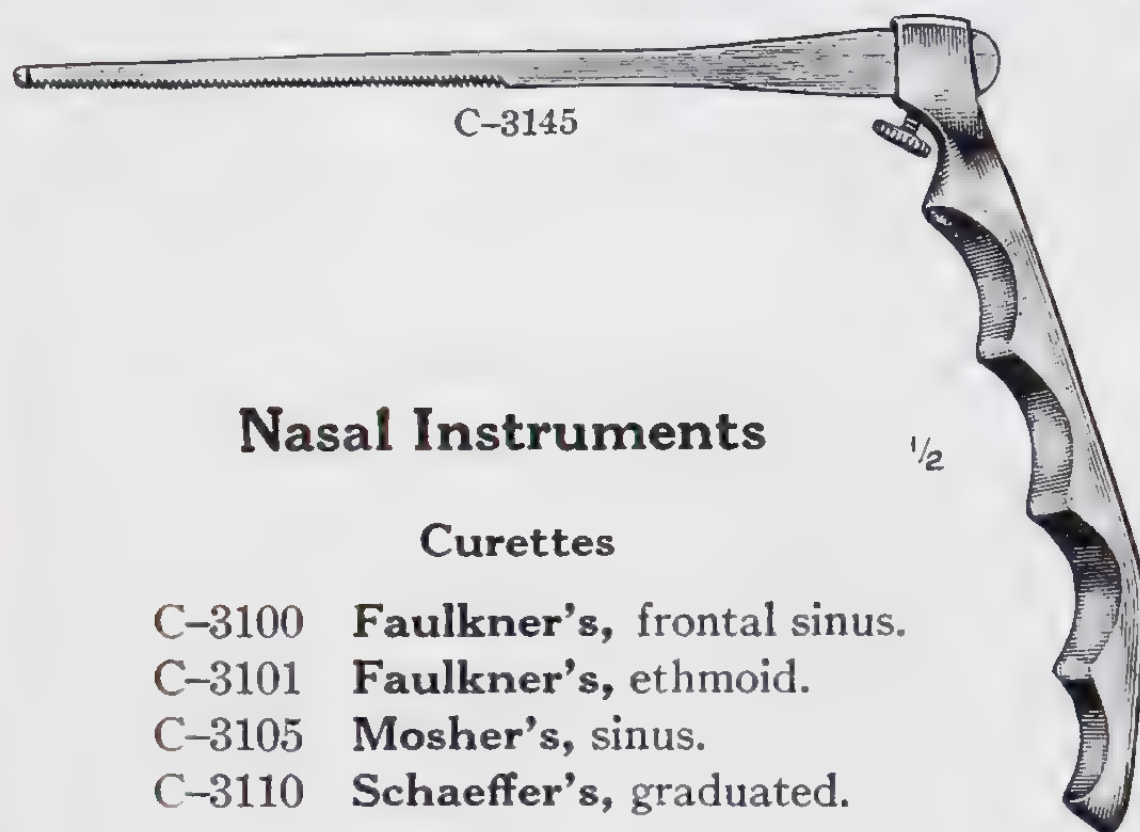
C-3130



C-3116



C-3145



C-3105

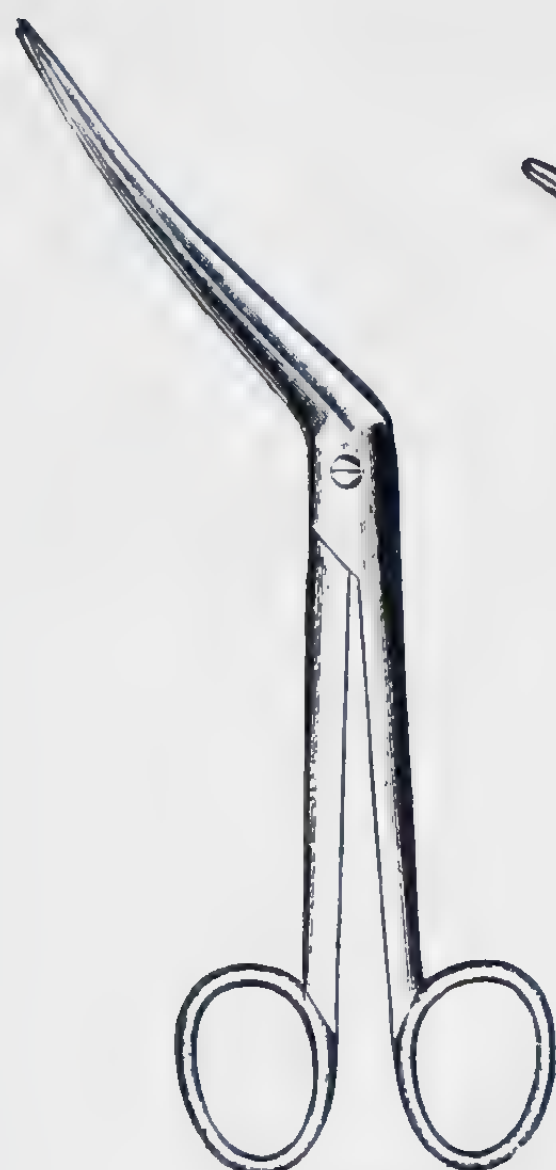
Nasal Instruments

Curettes

- C-3100 **Faulkner's**, frontal sinus.
- C-3101 **Faulkner's**, ethmoid.
- C-3105 **Mosher's**, sinus.
- C-3110 **Schaeffer's**, graduated.

Saws

- *C-3115 **Bosworth's**, straight.
- C-3116 **Bosworth's**, angular, up and down.
- *C-3120 **Bucklin's**, set of 2 blades.
- *C-3125 **Curtis's**, straight, thin blade.
- C-3130 **Hall's**, set of 2 blades, bevel edged.
- *C-3135 **Holmes's**, thin blade, with straight or back cutting teeth.
- *C-3140 **Kyles's**, horizontal and vertical.
- C-3145 **McAuliff's**, set of 2 blades, bevel edged.
- *C-3150 **Robertson's**, up and down.



C-3160



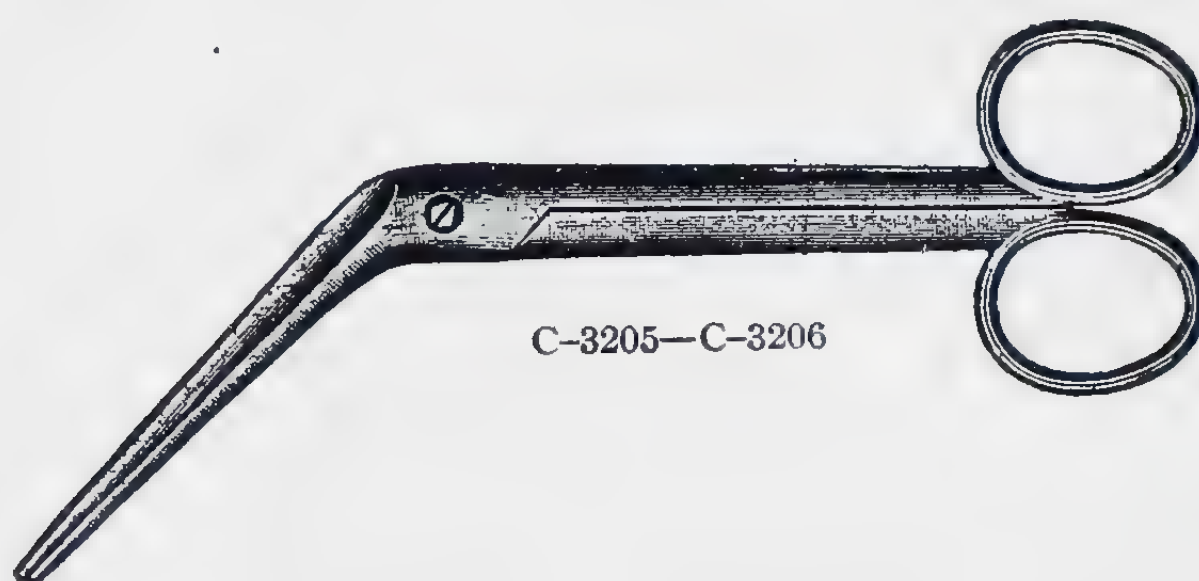
C-3161



C-3180



C-3195



C-3205—C-3206



C-3190

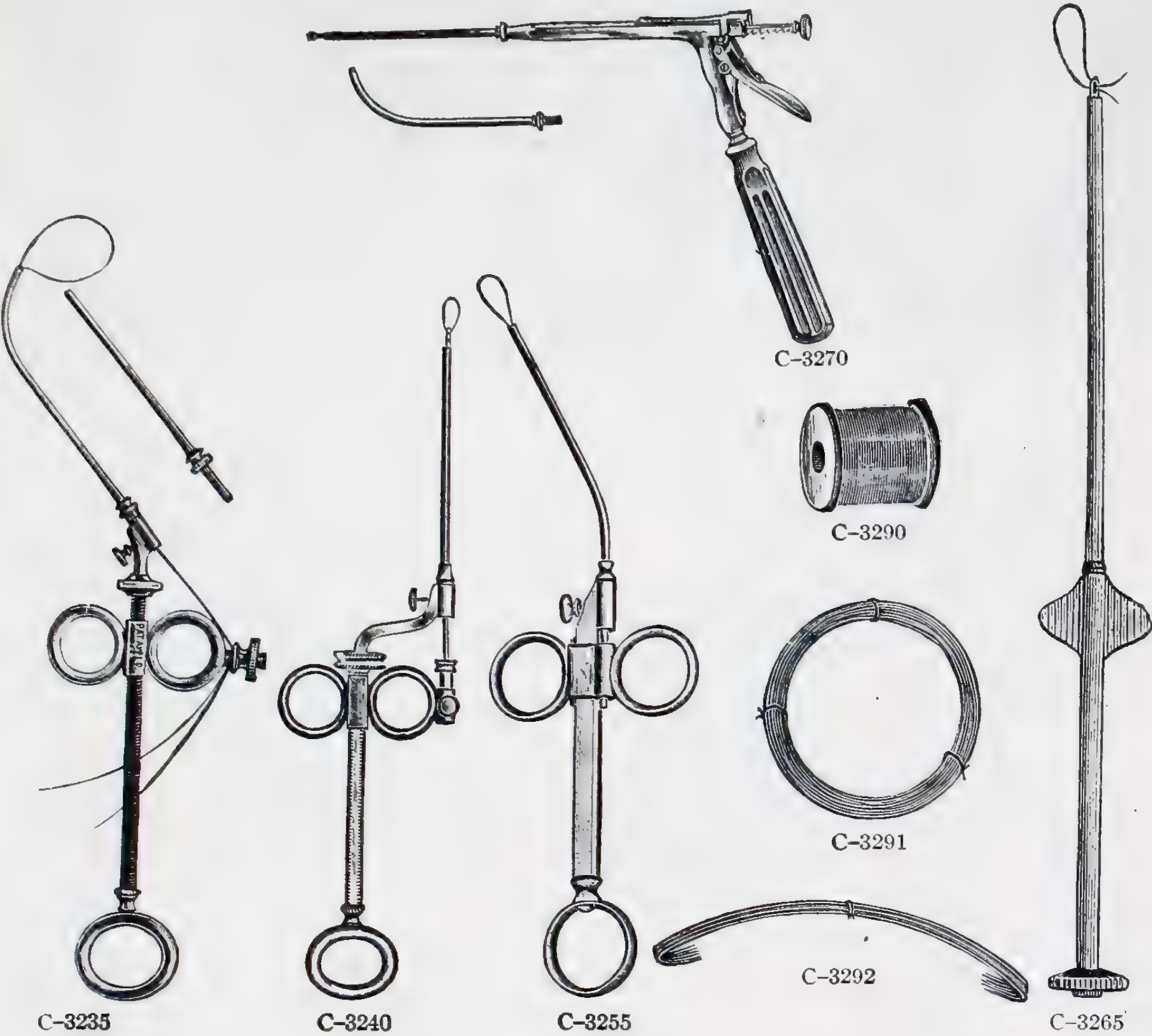
Nasal Instruments

Scissors

- C-3160 **Beckman's**, for upper turbinates.
- C-3161 **Beckman's**, for middle turbinates.
- *C-3165 **Casselberry's**, serrated edges.
- *C-3170 **Gruenwald's**, alligator action.
- C-3175 **Herzfeld's**, forceps handle, small.
- C-3180 **Heymann's**.
- *C-3185 **Holmes'**, latest, straight, right and left.
- C-3190 **Jackson's**, turbinatome.
- *C-3191 **Jackson's**, turbinatome, saw edge.
- C-3195 **Knight's**.
- *C-3200 **Mueller's**, Vienna pattern, sliding blade.
- C-3205 **Seiler's**, regular pattern.
- C-3206 **Seiler's**, heavy pattern.
- *C-3210 **Thompson's**, turbinatome, saw edge.
- *C-3215 **Watson's**.



C-3175



Nasal Instruments

Snares

- *C-3230 Baker's.
- C-3235 Bosworth's, improved, seamless steel tips.
- C-3240 Douglass'.
- *C-3245 Duffee's.
- *C-3250 Jarvis', straight.
- C-3255 Krause's.
- *C-3260 Martin's.
- C-3265 Sajou's, original.
- C-3270 Wright's, 2 tips.
- *C-3275 Wright's, 2 tips, folding handle.

Snare Wire

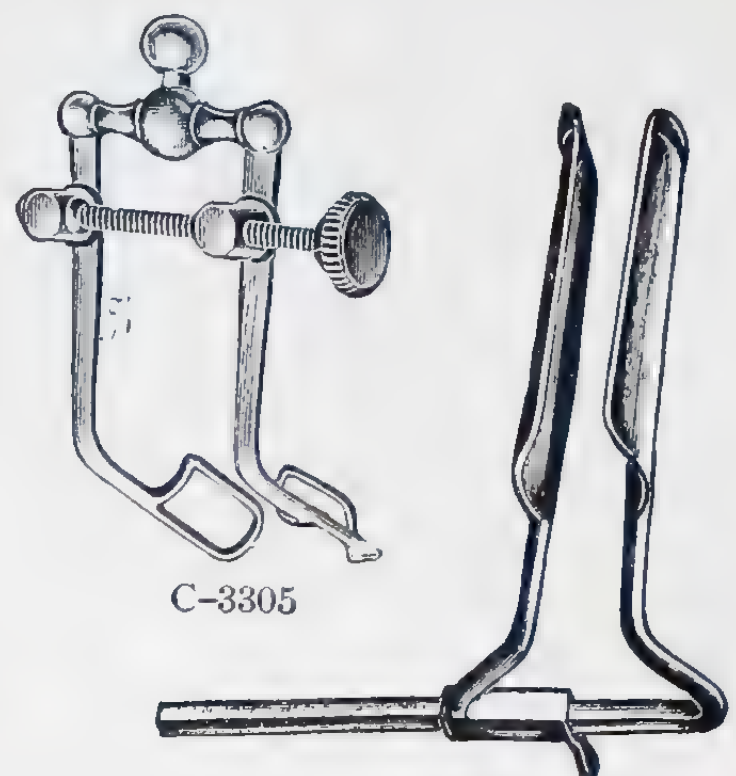
- C-3290 Snare Wire, on spools, sizes 1 to 5.
- C-3291 Snare Wire, in 1/4-lb. coils, sizes 1 to 5.
- C-3292 Snare Wire, cut ready for use with stylet, sizes 1 to 5, 12 in package.
- *C-3295 Yankauer's Wire Loops, for nasal snares.



C-3300

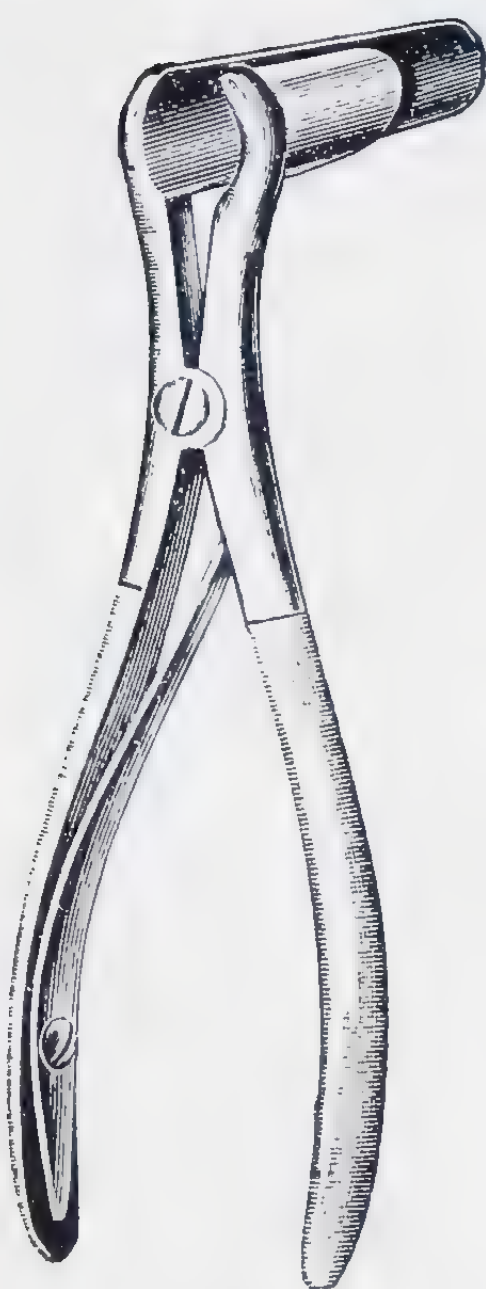


C-3306



C-3305

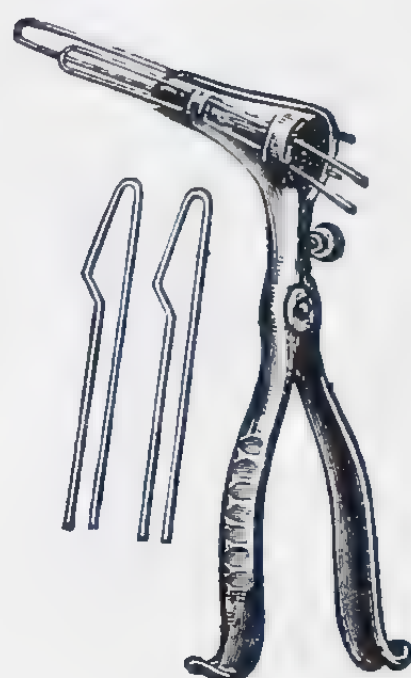
C-3310



C-3325



C-3330



C-3340

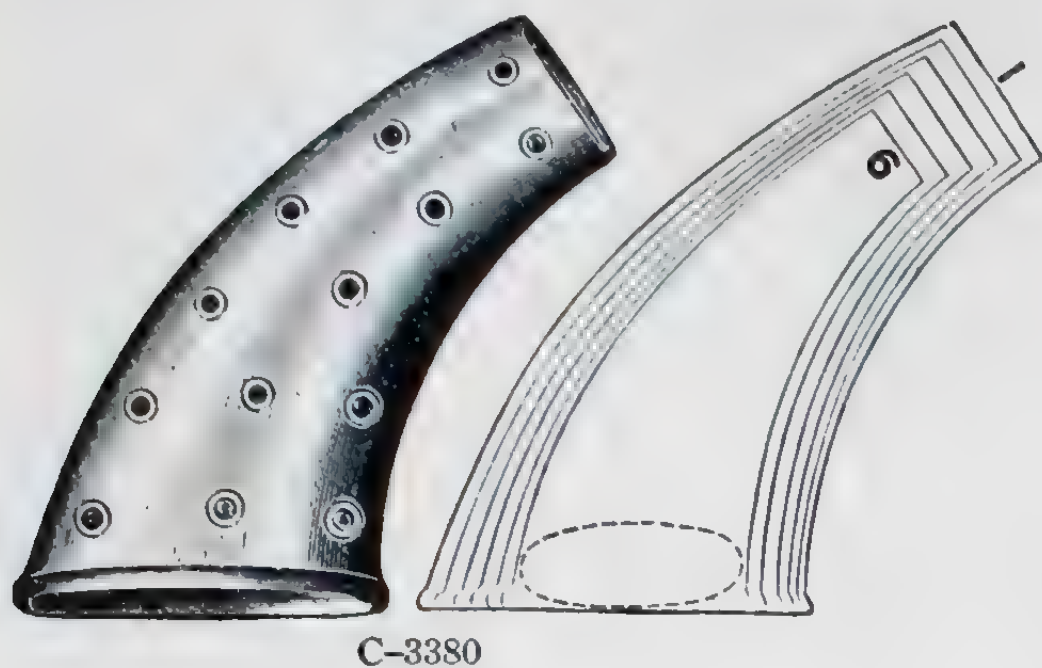


C-3320

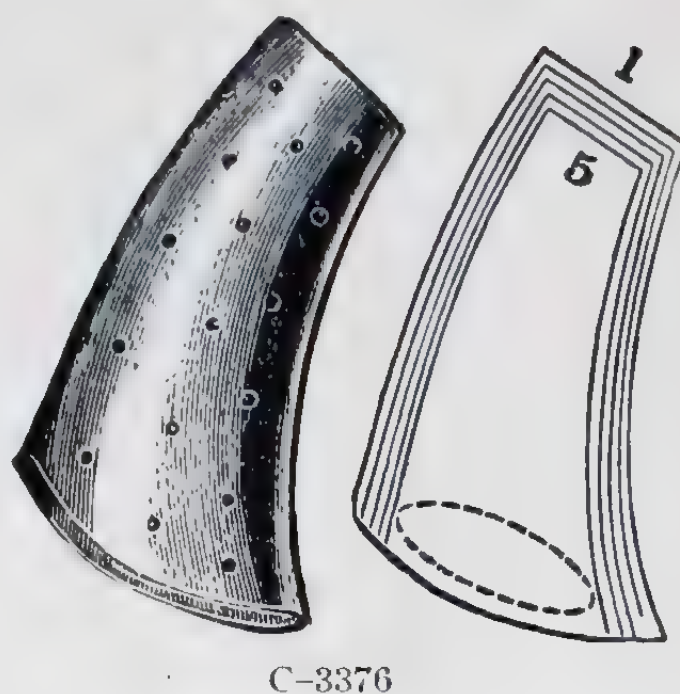
Nasal Instruments

Speculums for Submucous Resections

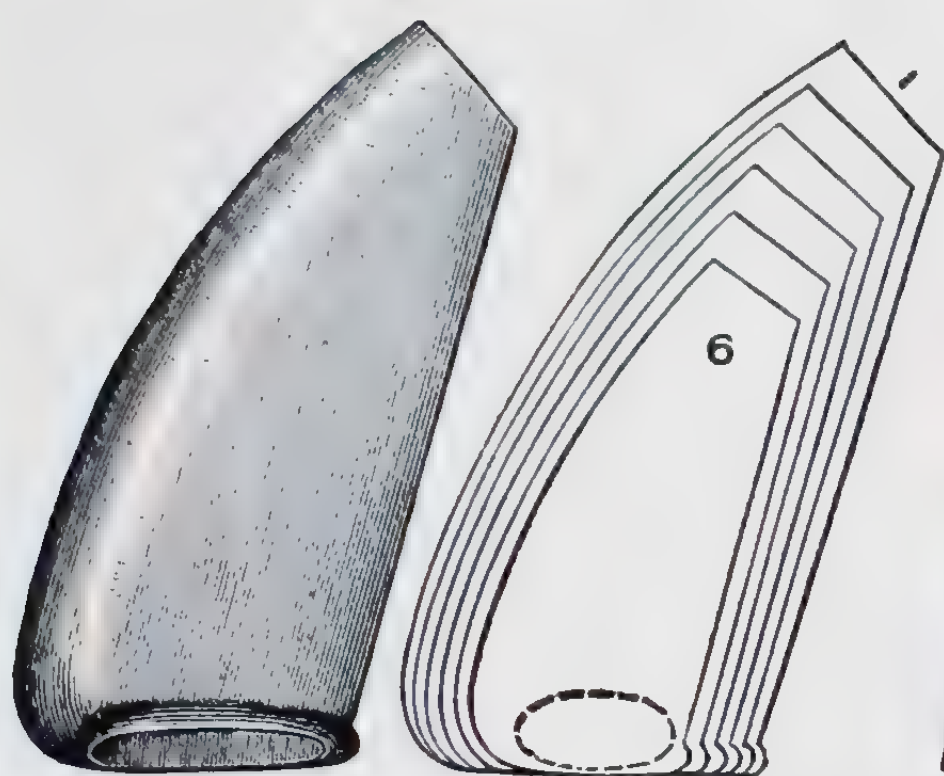
- C-3300 **Ballenger's.**
- C-3305 **Beck's**, self-retaining, to be used with head band.
- C-3306 **Beck's**, nasal clamp, septum.
- C-3310 **Carter's**, steel.
- *C-3315 **Goldstein's**, mucosa.
- C-3320 **Good's**, self-retaining.
- C-3325 **Hurd's**, one long and one short blade, steel.
- C-3330 **Killian's**, latest, made of tempered steel, very thin blades, 3 sizes, 2, 2½ and 3 inches long.
- *C-3335 **Metzenbaum's.**
- C-3340 **Mosher's**, with 2 sets of wire blades.
- *C-3345 **Murphy's**, latest model.
- *C-3350 **Patton's**, all steel, 2 sizes, 1 and 2-inch blades.



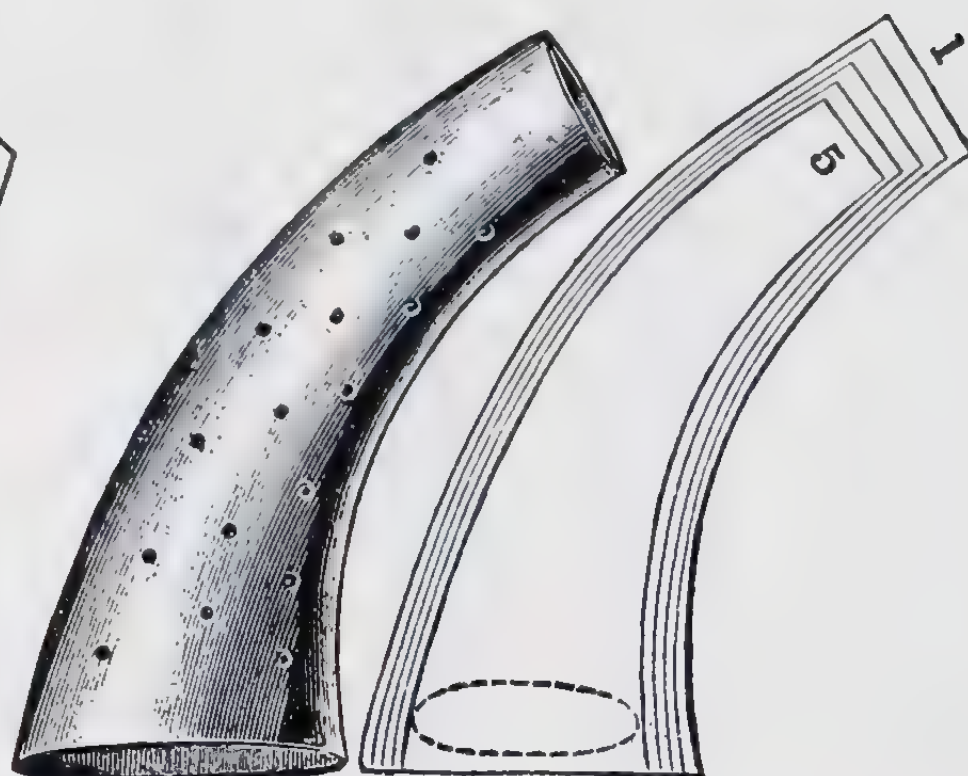
C-3380



C-3376



C-3385



C-3375



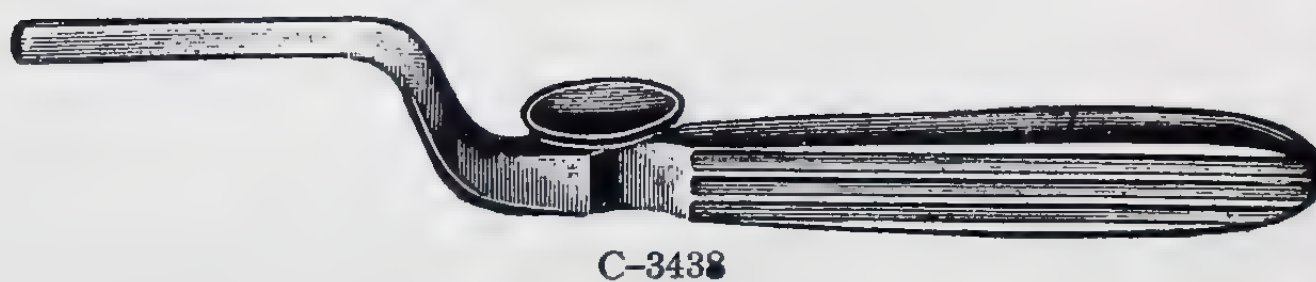
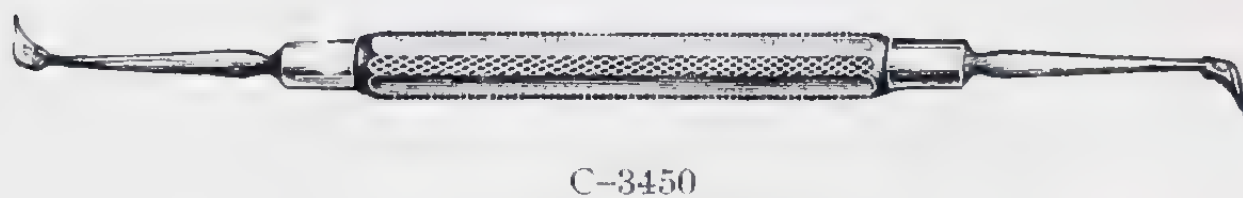
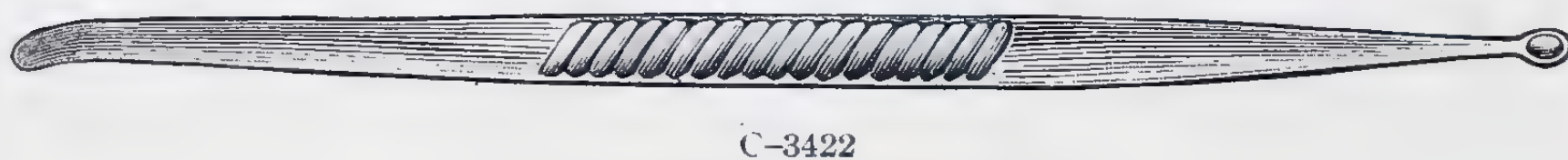
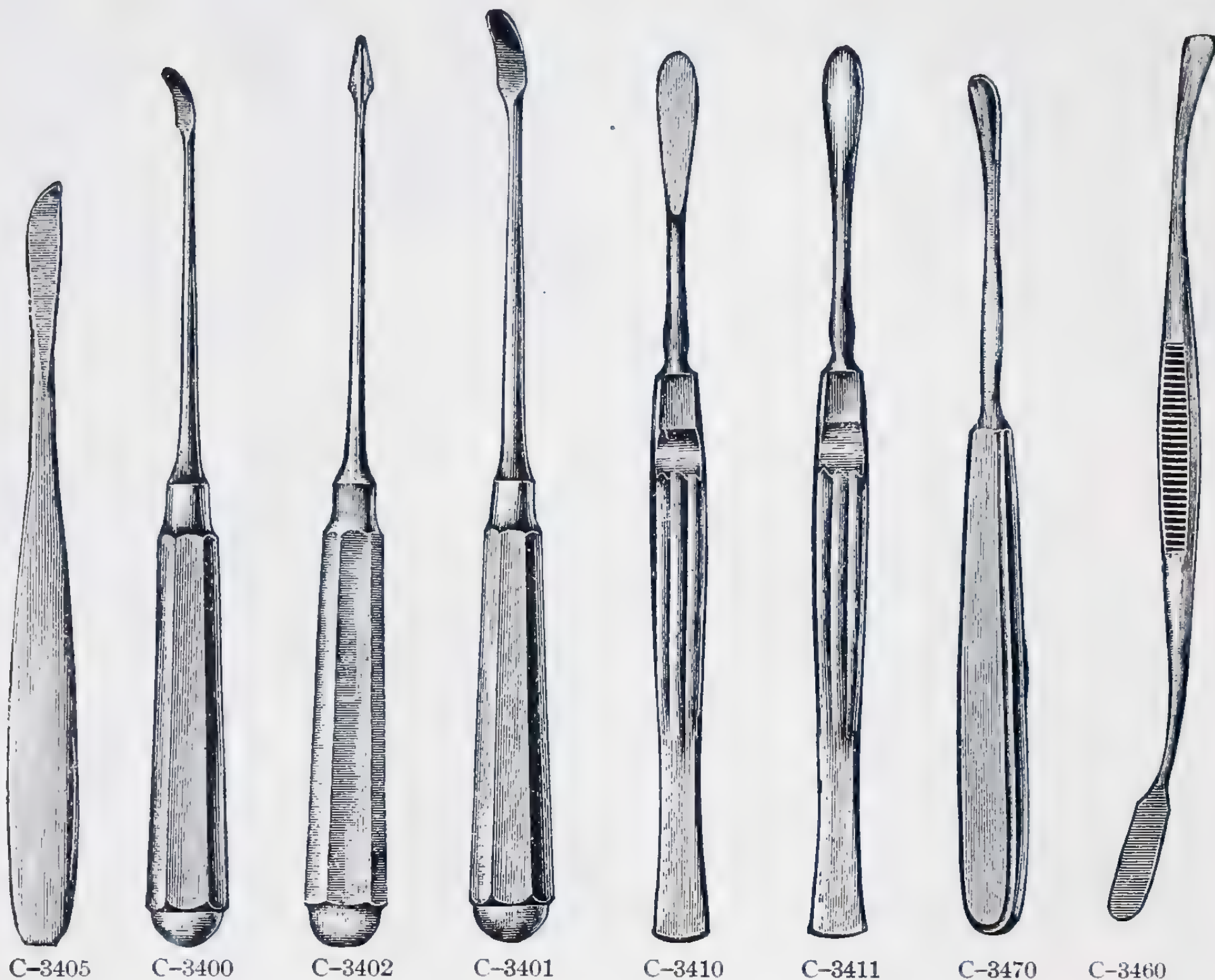
C-3390

Nasal Instruments

Septum Splints

- *C-3360 Ash's, hard rubber, 5 sizes.
- *C-3365 Carter's, bridge splint.
- *C-3370 Farrell's, metal, 6 sizes.
- C-3375 Kyle's, metal, long, 5 sizes, plain or perforated.
- C-3376 Kyle's, metal, short, 5 sizes, plain or perforated.
- C-3380 Mayer's, hard rubber, 6 sizes.
- C-3385 McKernon's, hard rubber, 6 sizes, improved pattern.
- C-3390 Simpson's, tampons, 4 dozen in box.

Nasal Instruments





Nasal Instruments

Dissectors and Elevators

- | | | | |
|---------|--|---------|--|
| C-3400 | Abraham's , narrow. | C-3431 | Hurd's , separator and curette. |
| C-3401 | Abraham's , wide. | C-3435 | Killian's , new model, blunt and sharp. |
| C-3402 | Abraham's , flat on one side, triangular on other, sharp edges, semi-blunt point. | C-3436 | Killian's , sharp. |
| C-3405 | Asch's . | C-3437 | Killian's , blunt. |
| C-3410 | Ballenger - Hajek's , semi-sharp. | C-3438 | Killian's , bayonet shape, right and left. |
| C-3411 | Ballenger-Hajek's , blunt. | *C-3439 | Killian's , set of 5 instruments with 1 handle. |
| C-3412 | Ballenger-Hajek's , double ended. | C-3445 | Pierce's , sub-mucous dissector. |
| *C-3415 | Beck's , hoe and knife. | C-3450 | Purcell's , pereosteotome. |
| C-3420 | Brown's , dissector and hoe. | C-3455 | Roger's , dissector, semi-sharp. |
| C-3422 | Carter's , flexible elevator, and curette. | C-3460 | Spratt's , dissector. |
| *C-3425 | Freer's , double, blunt and sharp. | C-3465 | Stauffer's , double end, flexible. |
| C-3430 | Hurd's , dissector, sharp and blunt, blunt end is copper, flexible. | C-3470 | Yankauer's , elevator, blunt. |
| | | C-3471 | Yankauer's , elevator, hook shape. |

STANDARD SURGICAL INSTRUMENTS

Nasal Instruments



C-3521



C-3505



C-3482



C-3486



C-3483



C-3540



C-3535



C-3480



C-3475



C-3490



C-3481



C-3495



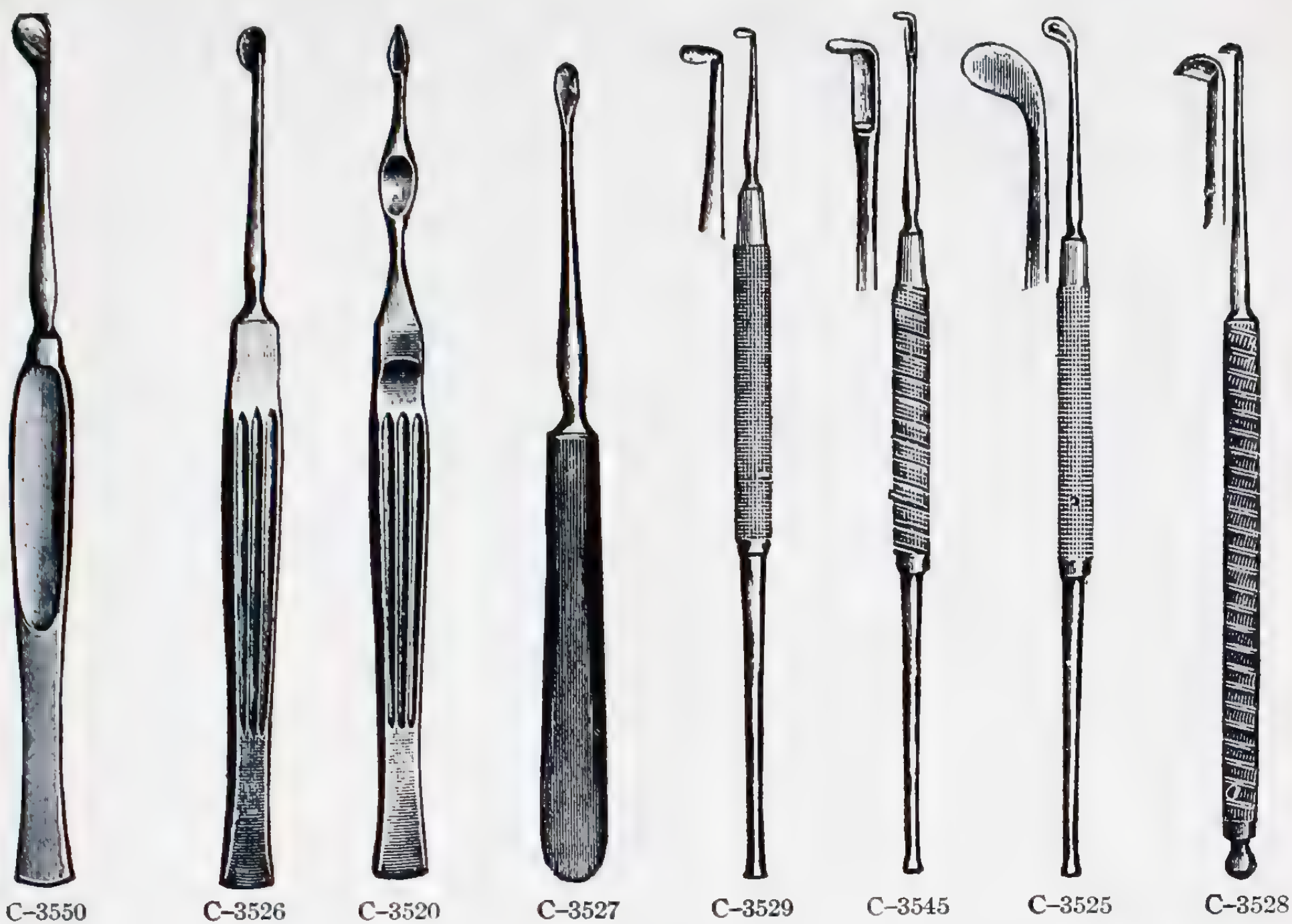
C-3500



C-3560-62



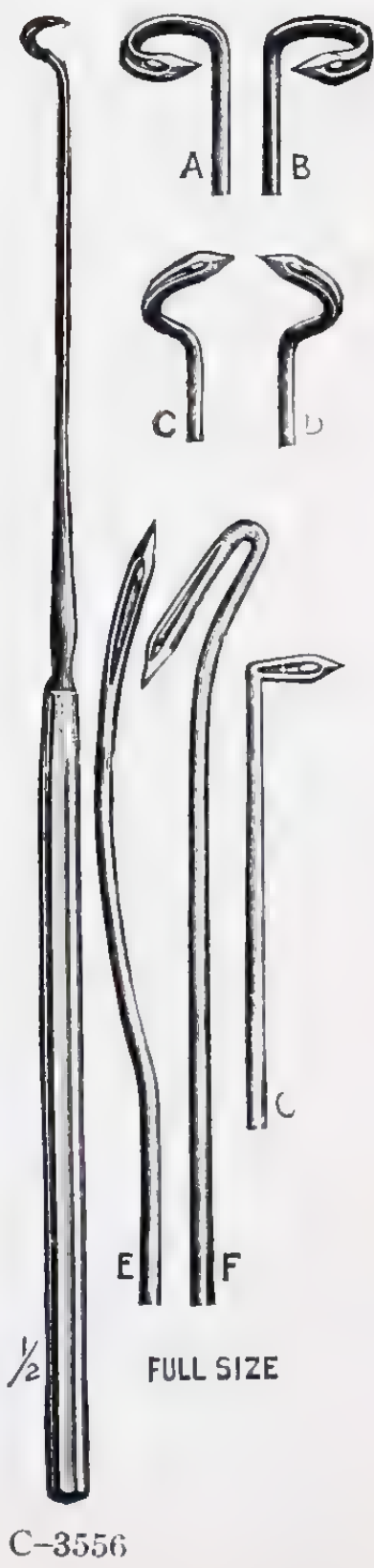
C-3555

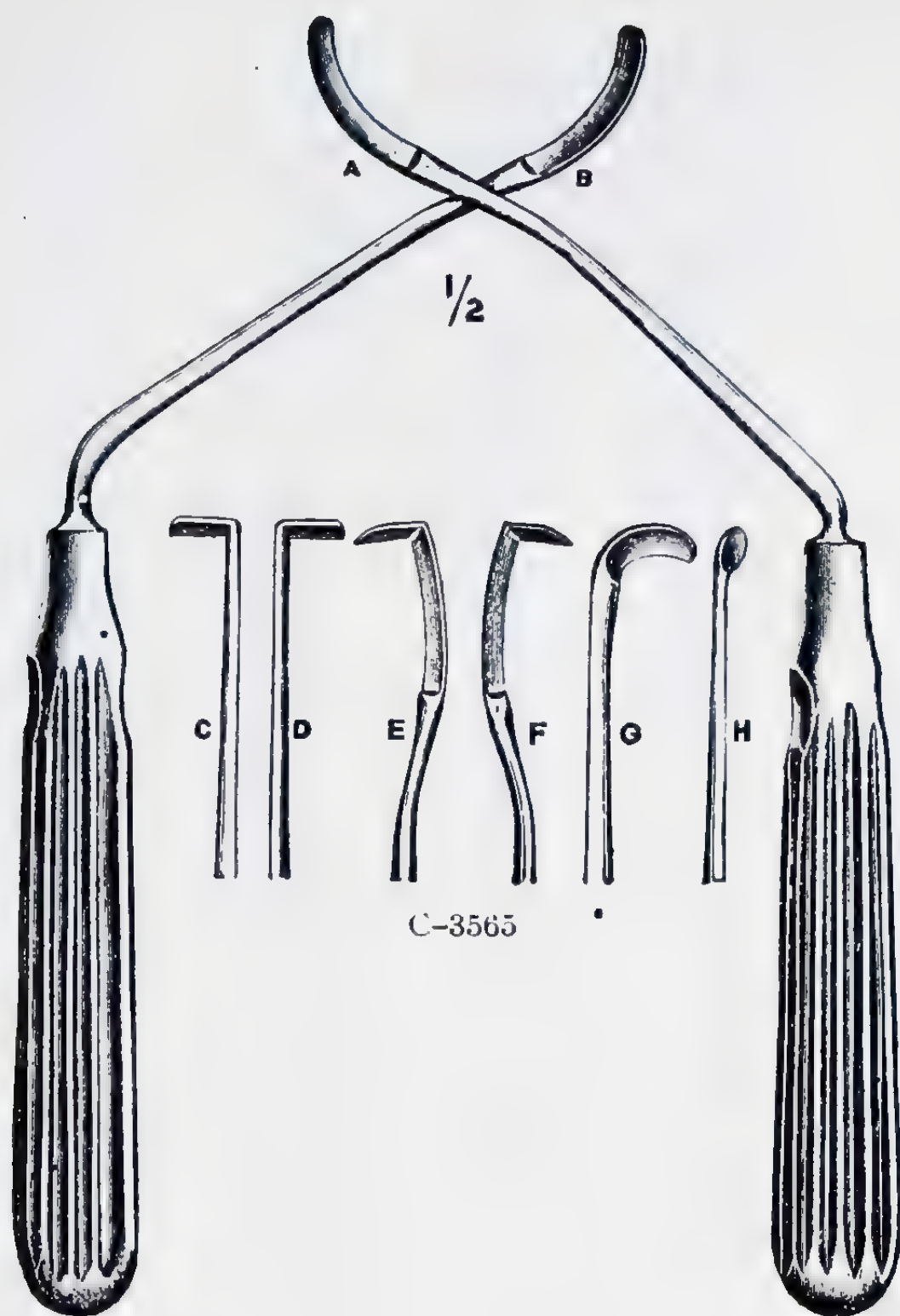


Nasal Instruments

Instruments for Resection of the Nasal Septum

Elevators		Knives	
C-3475	Blackwell's, flexible copper.	C-3520	Ballenger's, mucosa.
C-3480	Freer's, angular.	C-3521	Ballenger-Murphy's, septum.
C-3481	Freer's, double end, sharp and blunt.	C-3525	Freer's, A.
C-3482	Freer's, L, sharp.	C-3526	Freer's, D.
C-3483	Freer's, M, blunt.	C-3527	Freer's, E.
*C-3484	Freer's, X, short, sharp.	C-3528	Freer's, H.
C-3485	Freer's, X, short, blunt.	C-3529	Freer's, V.
C-3486	Freer's, Y, long, sharp.	*C-3530	Freer's, I.
*C-3487	Freer's, Y, long, blunt.	C-3535	McCoy's.
C-3490	Goldstein's, blunt.	C-3540	Metzenbaum's.
*C-3491	Goldstein's, sharp.	C-3545	Murray's.
C-3495	Haseltine's, with knife.	C-3550	Stein's.
C-3500	Thomsen-Von Col-ditz's.	C-3555	Yankauer's, angular.
File		C-3556	Yankauer's, needles, A to G.
C-3505	Good's, septum.	Retractors	
Hooks		C-3560	Freer's, Q, extra long.
*C-3510	Freer's, U, double, sharp.	C-3561	Freer's, R, medium, 8 mm.
*C-3515	Killian's, angular, sharp.	C-3562	Freer's, S, small, 6 mm.
*C-3516	Killian's, angular, blunt.		





C-3570



C-3575

Nasal Instruments

Knives (continued)

C-3565 Ballenger's Turbinate Instruments, A to H.

Septum Straightening Forceps

C-3570 Adams'.

C-3575 Asch's.

C-3580 Kyle's.

*C-3585 Roe's, 2 sizes.

*C-3590 Watson's.

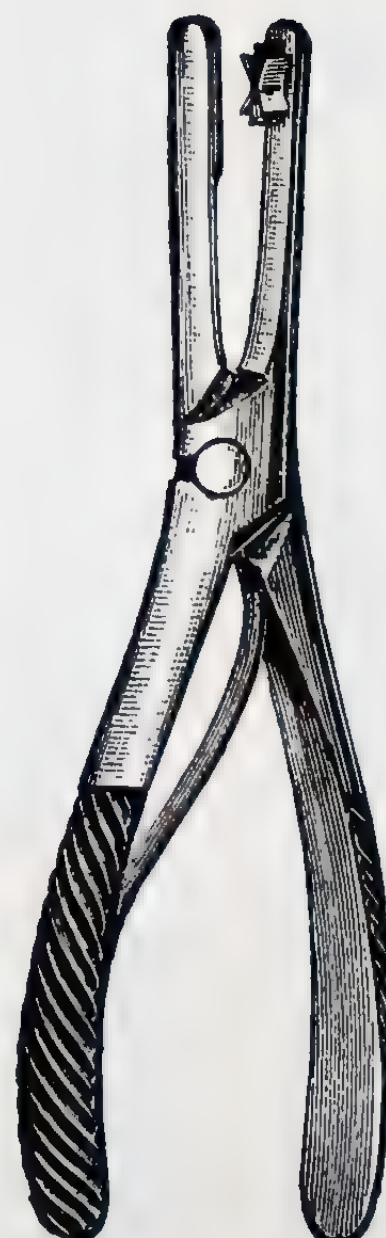
Septum Punches

*C-3595 Sajou's, with 6 assorted punches.

C-3600 Steele's.



C-3580



C-3600



Nasal Instruments

Septum Cutting Forceps

- | | | | |
|---------|--|---------|--|
| *C-3605 | Asch's, angular. | C-3626 | Jansen-Middleton's, cross action cutting blades. |
| C-3606 | Asch's, straight. | *C-3630 | Jarvis'. |
| C-3610 | Ballenger-Foster's, for cutting perpendicular plate. | C-3635 | Lutz's, septal ridge. |
| *C-3615 | Freer's, 3 sizes, Figs. D, E and F, right and left. | C-3640 | McCoy's, straight, for cartilagenous septum. |
| *C-3620 | Hurd's, septal ridge. | C-3641 | McCoy's, curved, for submaxillary ridge. |
| *C-3625 | Jansen - Middleton's, cross-action biting blades. | *C-3645 | Mial's, septal ridge. |



Nasal Instruments

Antrum Instruments

- *C-3640 Antrum Burr, **Abraham's**.
- C-3645 Antrum Burr, **Ballenger's**, 4 sizes.
- C-3650 Antrum Burr, **Tilley's**, curved, 3 sizes.
- C-3655 Antrum Chisel, **Myles'**, sharp.
- *C-3660 Antrum Curette, **Myles'**, flexible shank, 5 sizes.
- C-3665 Antrum Drill, **Pope's**, trephine.
- *C-3670 Antrum Reamer, **Abraham's**.
- *C-3675 Antrum Saw, **Vail's**, right and left.
- C-3680 Antrum Trocar, **Douglass'**, combined with washing tube.
- C-3685 Antrum Trocar, **Gallaher's**, with openings in trocar point.
- *C-3690 Antrum Trocar, **Jurascz's**.
- *C-3695 Antrum Trocar, **Killian's**, new model.
- C-3700 Antrum Trocar, **Krause's**.
- C-3705 Antrum Trocar, **Myles'**, latest.
- C-3710 Antrum Trocar, **Pierce's**.
- C-3715 Antrum Trocar, **Robertson's**.
- C-3678 Antrum Trocar, **Charlton's**.



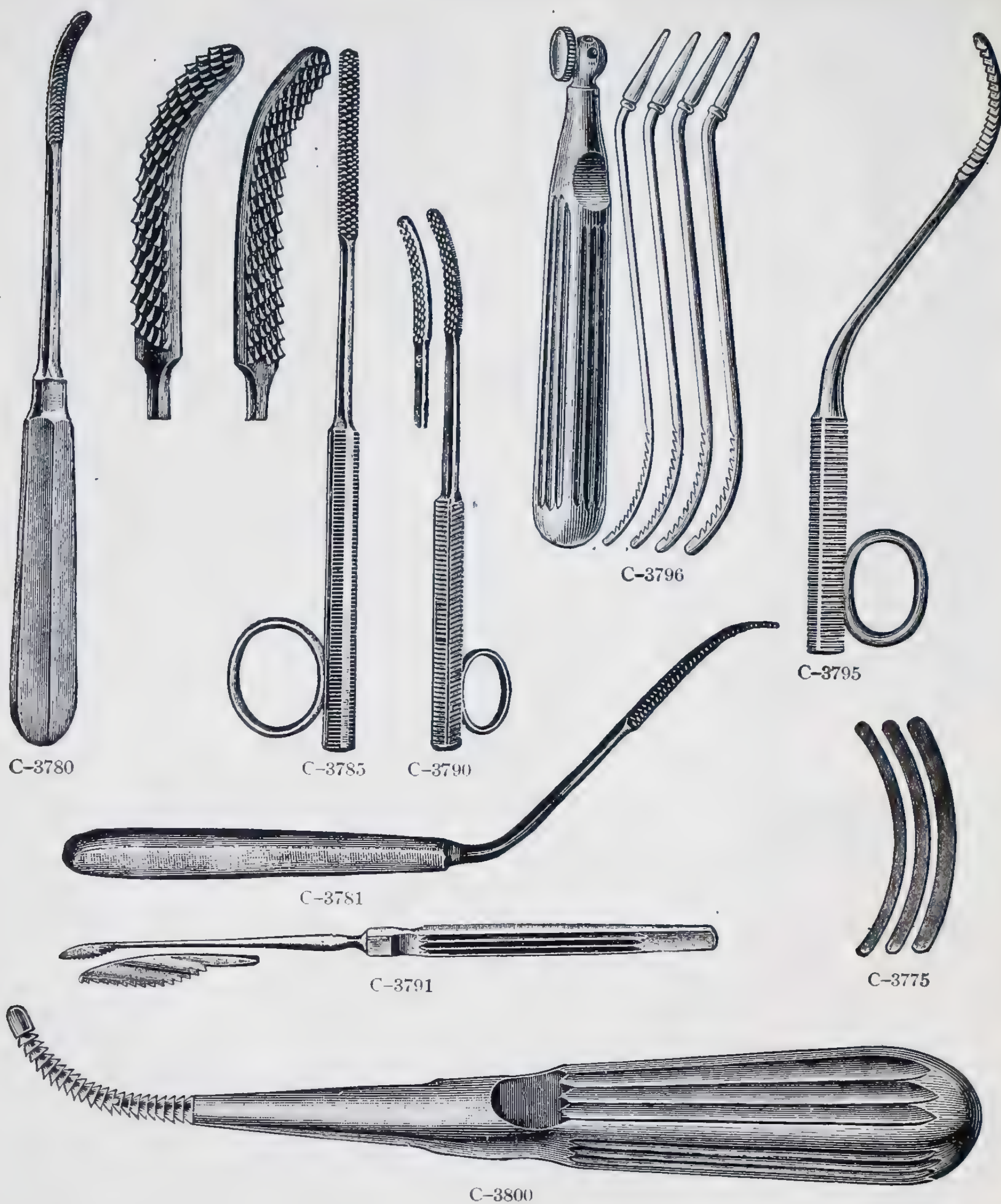


Nasal Instruments

Ethmoidal, Frontal Sinus and Sphenoidal

- C-3720 Chisel, **Good's**, frontal sinus, 2 sizes.
- C-3725 Chisel, **Griffin's**, ethmoidal.
- *C-3730 Chisel, **Killian's**, bayonet shape, frontal sinus.
- C-3731 Chisel, **Killian's**, straight, frontal sinus.
- C-3732 Chisel, **Killian's**, convex edge, frontal sinus.
- C-3733 Chisel, **Killian's**, curved, frontal sinus.
- C-3735 Curette, **Ballenger's**, ethmoidal, 2 sizes.
- *C-3736 Curette, **Carmody's**, frontal sinus, irrigating.
- *C-3737 Curette, **Coakley's**, frontal sinus, 6 styles.
- *C-3738 Curette, **Dean's**, frontal sinus, curved.
- *C-3739 Curette, **Freer's**, frontal sinus, 4 styles.
- C-3740 Curette, **Griffin's**, straight, ethmoidal.
- C-3741 Curette, **Griffin's**, half curved, ethmoidal.
- C-3742 Curette, **Griffin's**, left side cutting, ethmoidal.
- C-3743 Curette, **Griffin's**, right side cutting, ethmoidal.
- *C-3744 Curette, **Halle's**, frontal sinus, right and left.
- C-3745 Curette, **Killian's**, frontal sinus, 5 sizes.
- *C-3747 Curette, **Kenavel's**, frontal sinus, straight.
- *C-3749 Curette, **Rector's**, frontal sinus.
- C-3750 Canula, **Andrew's**, sphenoidal.
- C-3755 Drainage Tube, **Good's**, frontal sinus, gold-plated.
- C-3760 Gouge, **Griffin's**, ethmoidal.
- C-3765 Knife, **Andrew's**, sphenoidal.
- C-3766 Knife, **Andrew's**, ethmoidal.
- C-3770 Probe, **Andrew's**, sphenoidal.

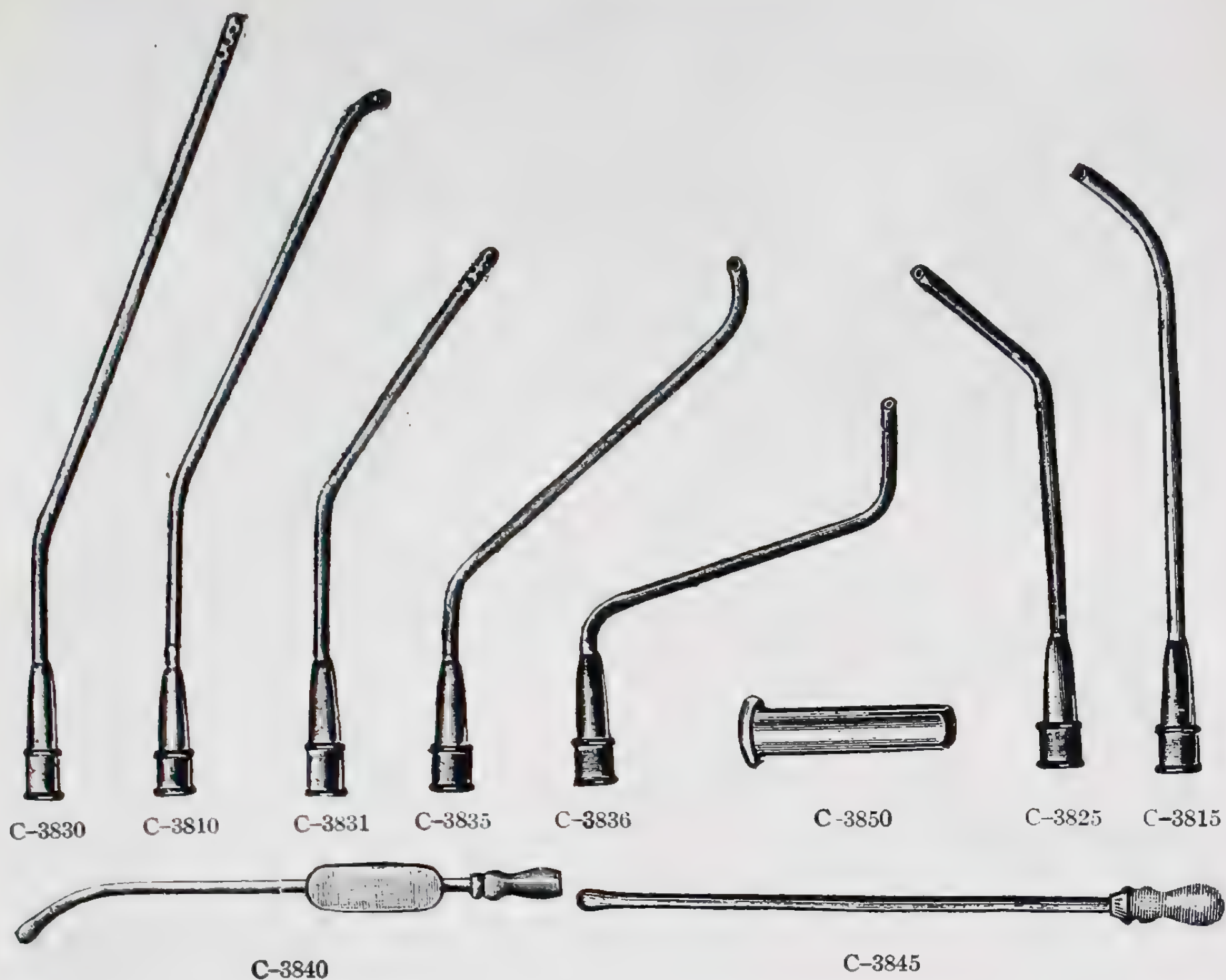




Nasal Instruments

Antrum, Frontal Sinus and Sphenoidal

- C-3775 Protector, **Good's**, frontal sinus, 3 sizes.
- C-3780 Rasp, **Brawley's**, antrum.
- C-3781 Rasp, **Brawley's**, frontal sinus.
- C-3785 Rasp, **Gallaher's**, antrum or frontal sinus, straight, concave and convex.
- C-3790 Rasp, **Good's**, frontal sinus, right and left, 2 sizes.
- C-3791 Rasp, **Good's**, sphenoidal.
- C-3795 Rasp, **Sullivan's**, frontal sinus, 4 sizes.
- C-3796 Rasp, **Sullivan's**, frontal sinus, 4 sizes for one handle.
- *C-3798 Rasp, **Thompson's**, frontal sinus, 2 models.
- C-3800 Rasp, **Weiner's**, universal, frontal sinus.
- *C-3805 Sound, **Good's**, frontal sinus, set of 3.



Nasal Instruments

Antrum, Ethmoid, Sphenoid and Frontal Sinus

Canulae

- C-3810 Bezold's, antrum, right and left.
- C-3815 Bresgen's, frontal sinus.
- *C-3820 Fish's, antrum, delicate.
- C-3825 Fraenkel's, antrum.
- C-3830 Gruenwald's, frontal sinus.
- C-3831 Gruenwald's, sphenoidal sinus.
- C-3835 Hartman's, antrum.
- C-3836 Hartman's, frontal sinus.
- C-3840 Killian's, antrum.
- C-3845 Myles', antrum, 3 sizes.
- C-3846 Myles', exploring.

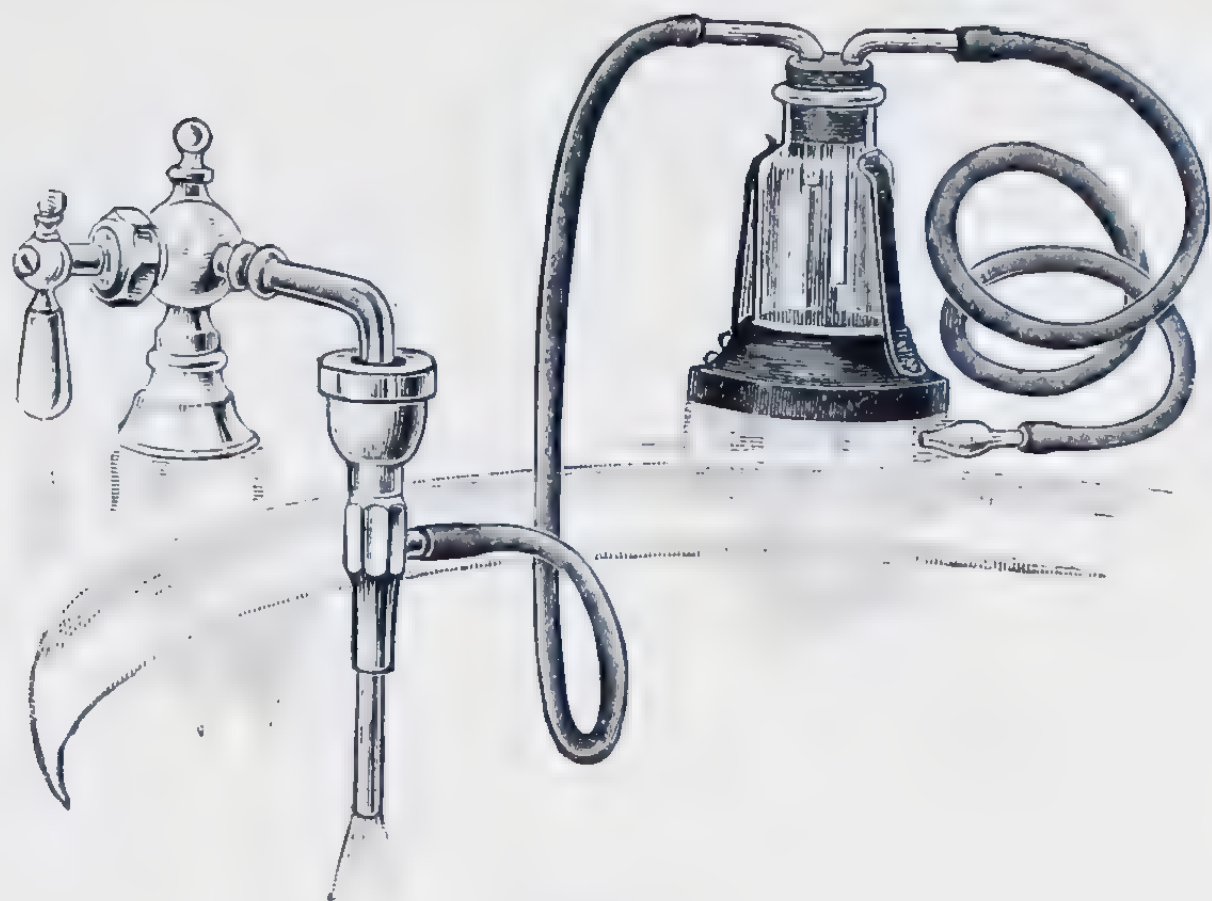
Drainage Tubes

- C-3850 Hovell's, silver.
- *C-3855 Myles', soft rubber, 3 sizes.

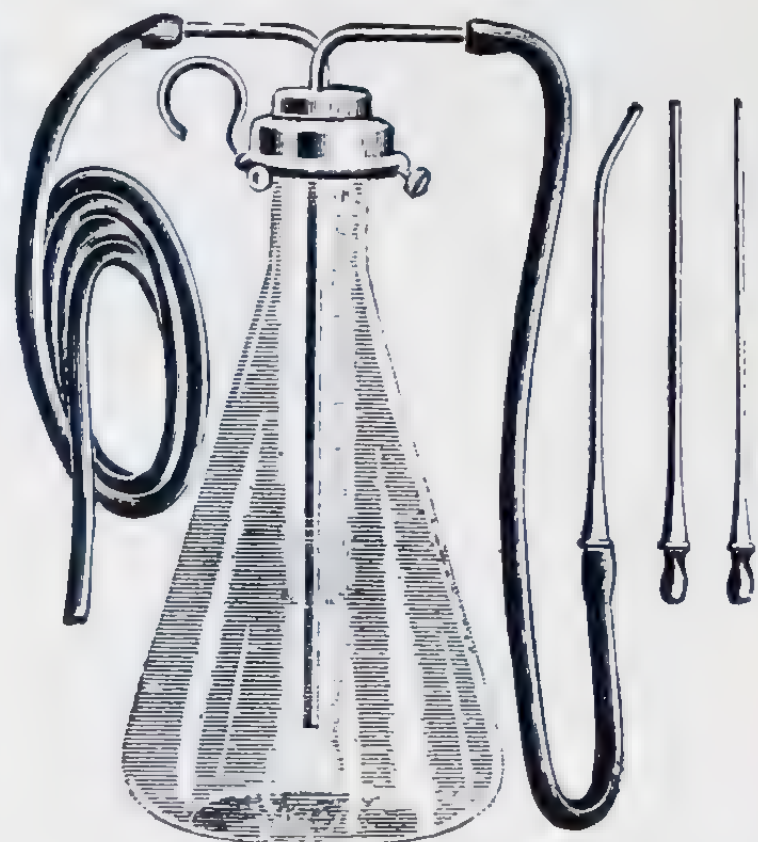
Needles

- C-3860 Killian's, right or left.

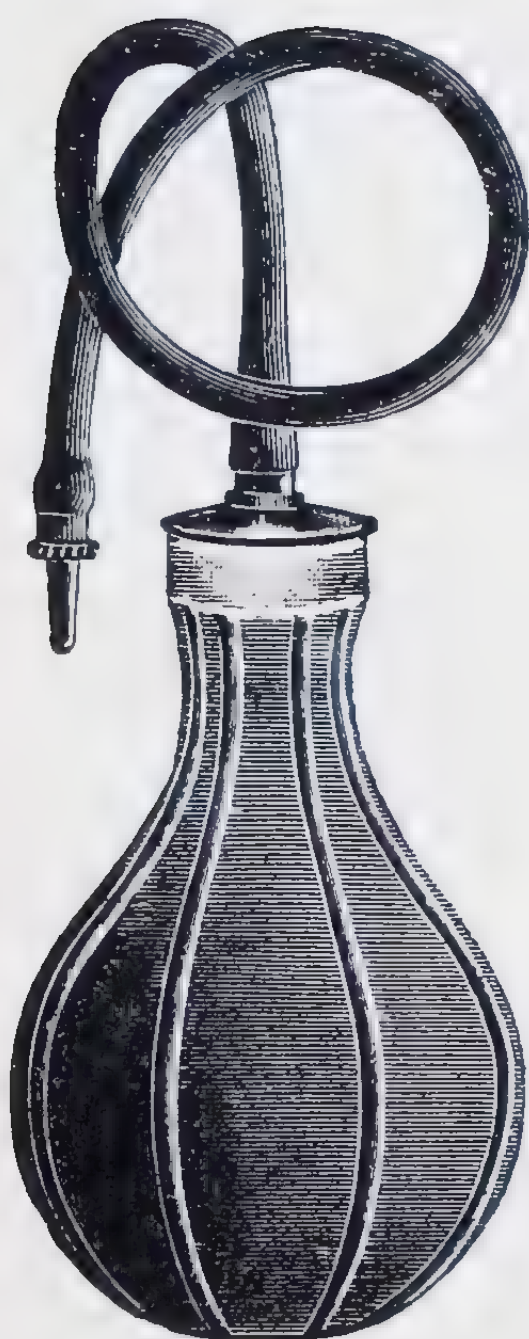




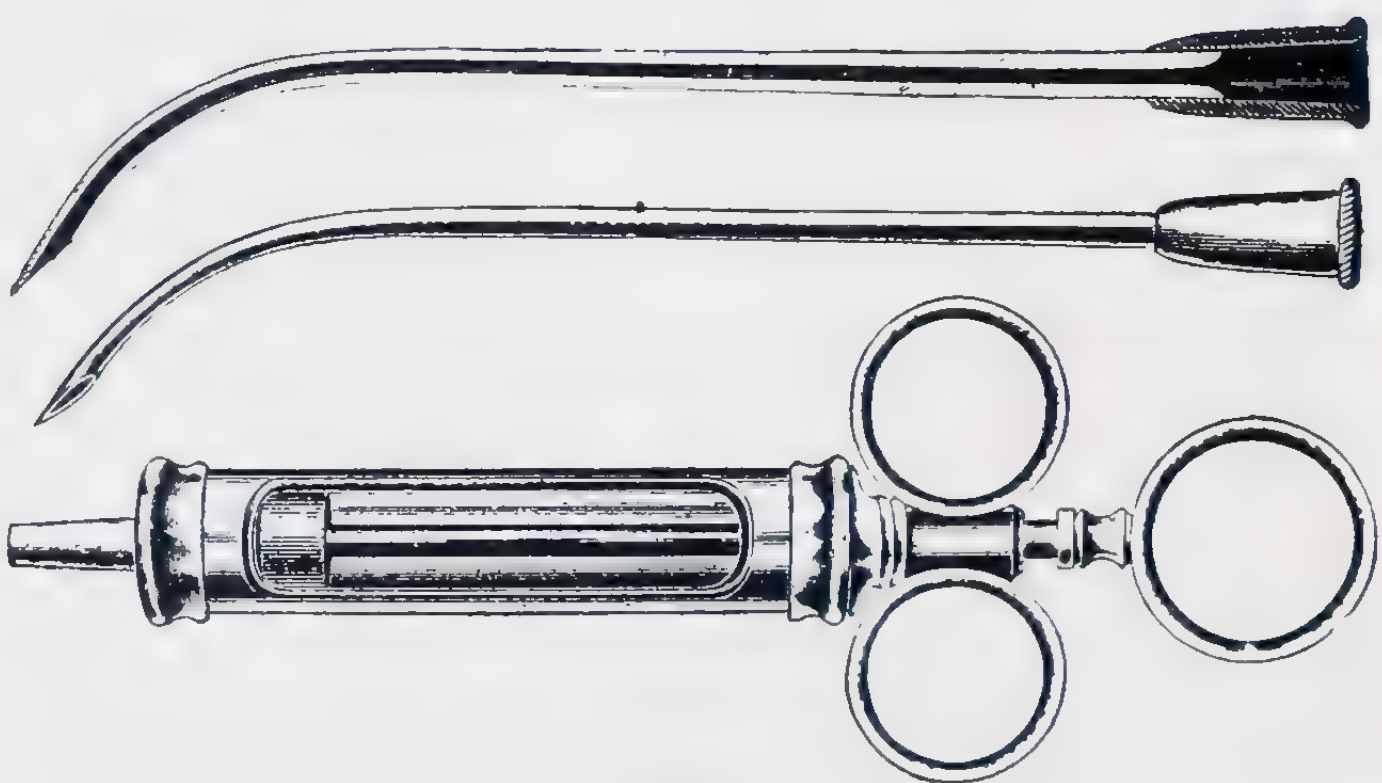
C-3870



C-3875



C-3880



C-3885

Nasal Instruments

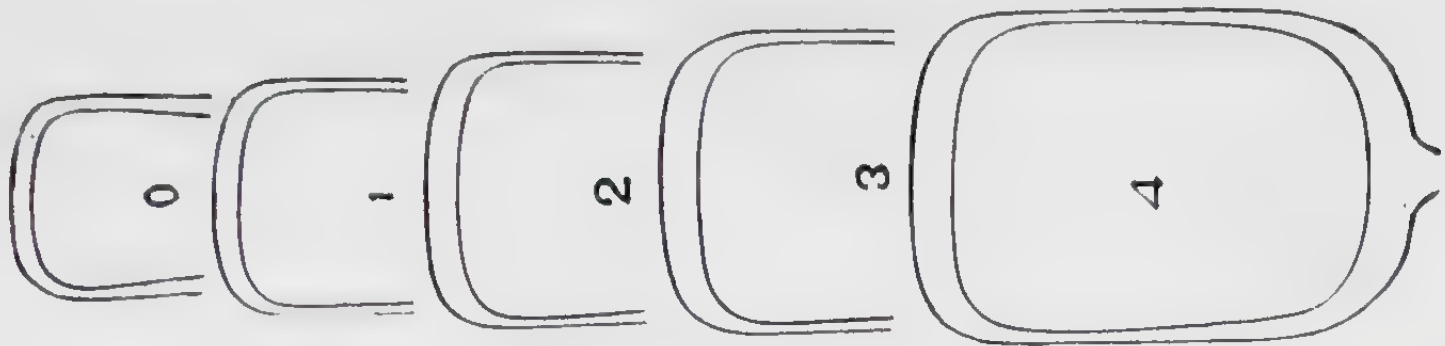
Antrum, Ethmoid, Sphenoid and Frontal Sinus

Suction Apparatus

- C-3870 **Brawley's.**
 C-3875 **Haskin's,** complete with tubing and 3 silver tubes of different calibre.

Syringes

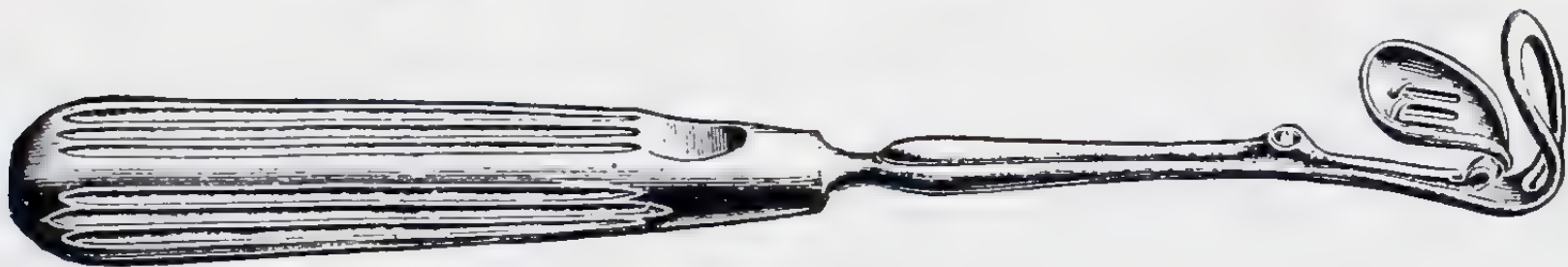
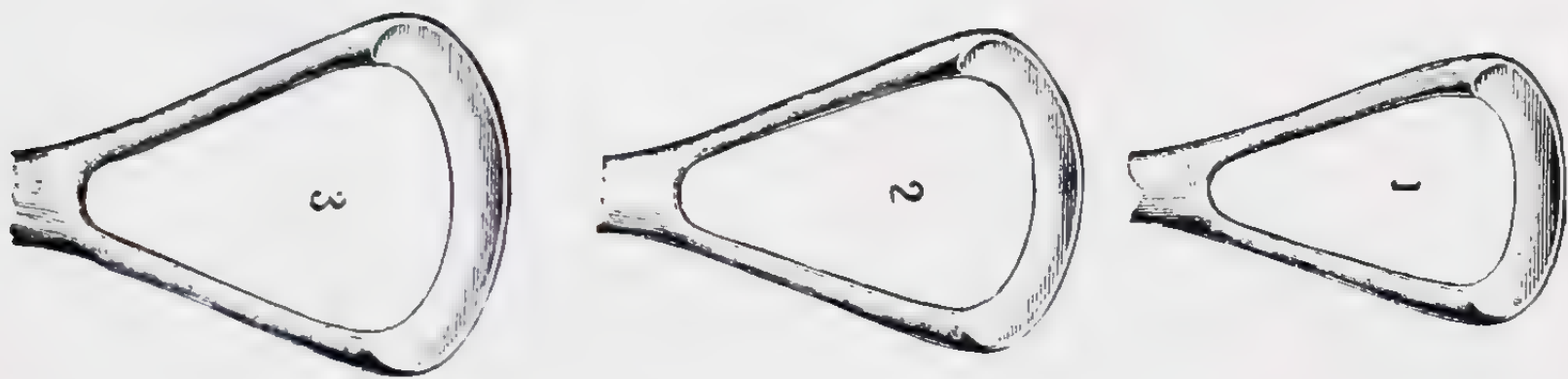
- C-3880 Antrum, for use with washing canulae.
 C-3885 Antrum, **Abraham's,** with steel trocar needle.



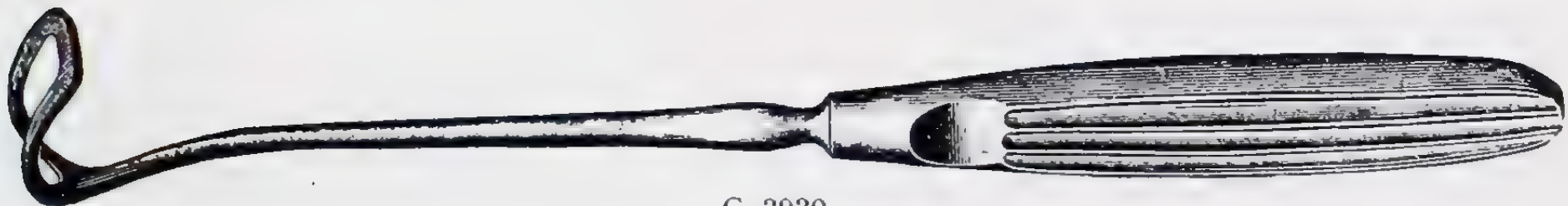
C-3900



C-3910



C-3925



C-3930



C-3935

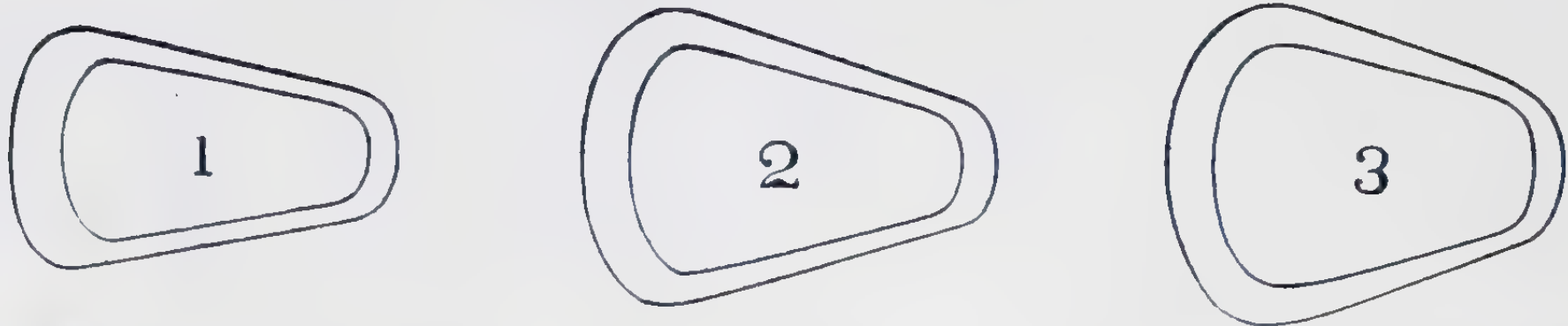
Post Nasal Instruments

Adenotomes and Curettes

- C-3900 Barnhill's, 5 sizes.
*C-3905 Beck's, with waved edge.
C-3910 Beckmann's, 4 sizes.
*C-3915 Boston's, for infants, 1 size.

- *C-3920 Collum's, with sliding blade.
C-3925 Delstanche's, 3 sizes.
C-3930 DeRoalde's, 4 sizes.
C-3935 Ingersoll's, 1 size.

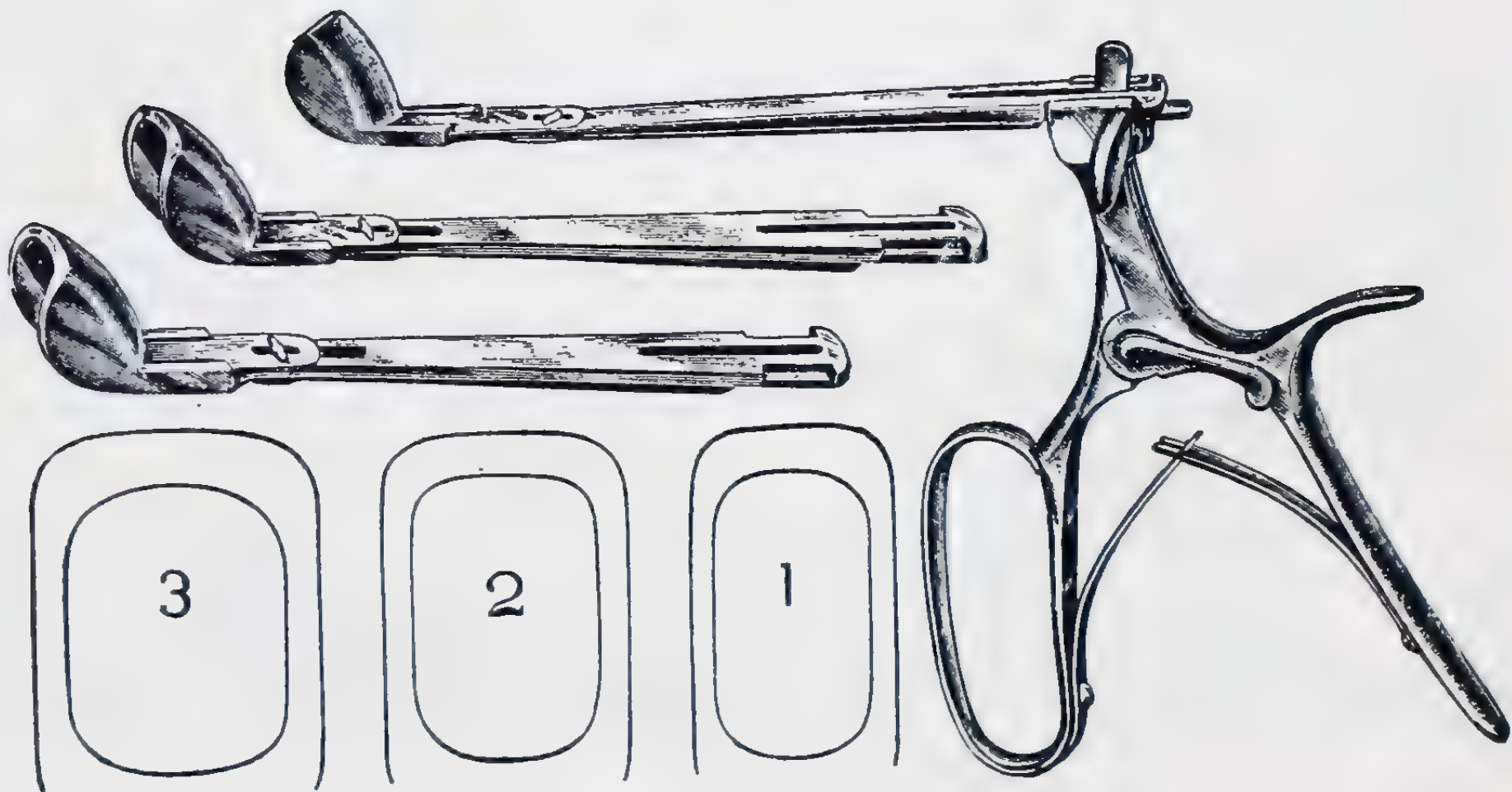
Post Nasal Instruments



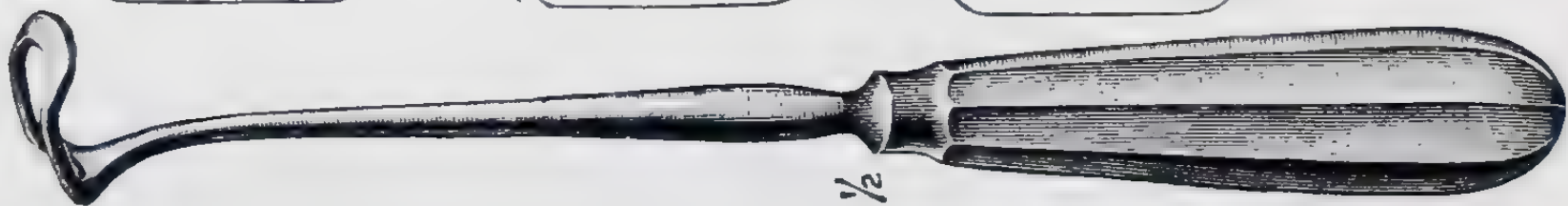
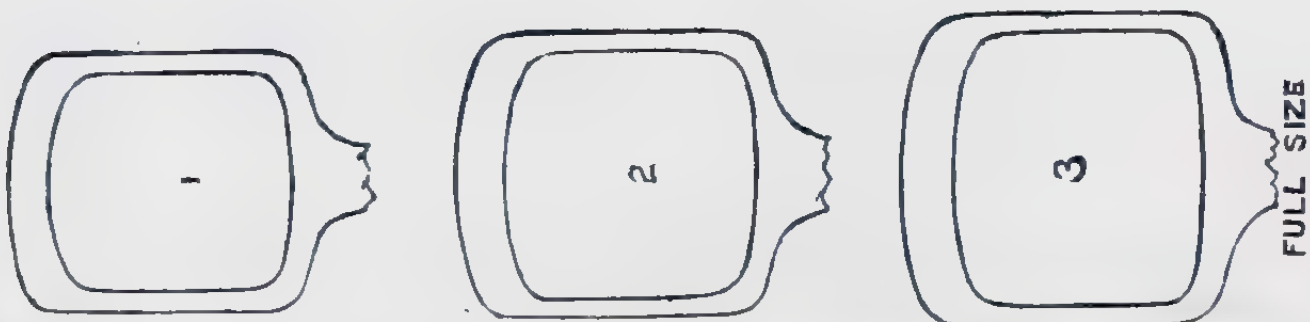
C-3940



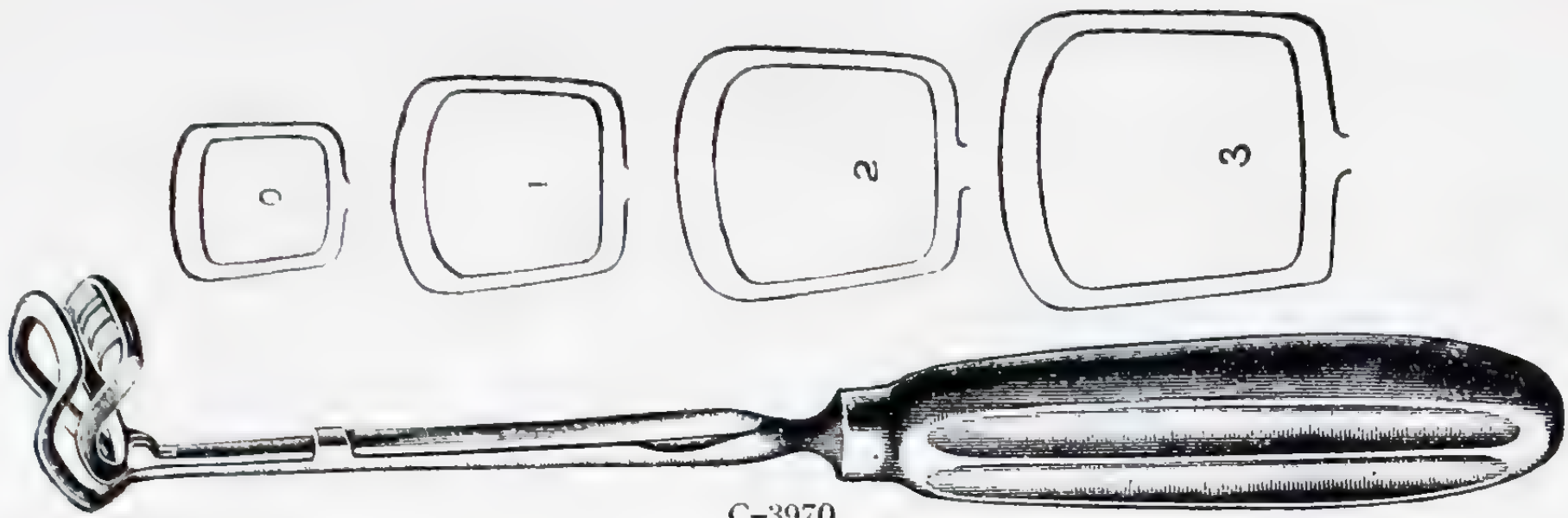
C-3950



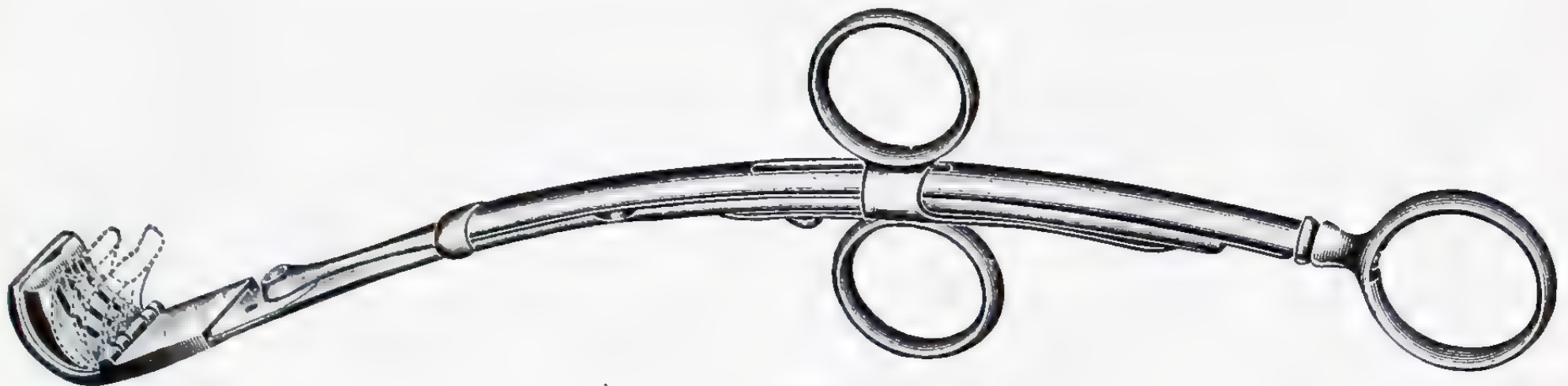
C-3955



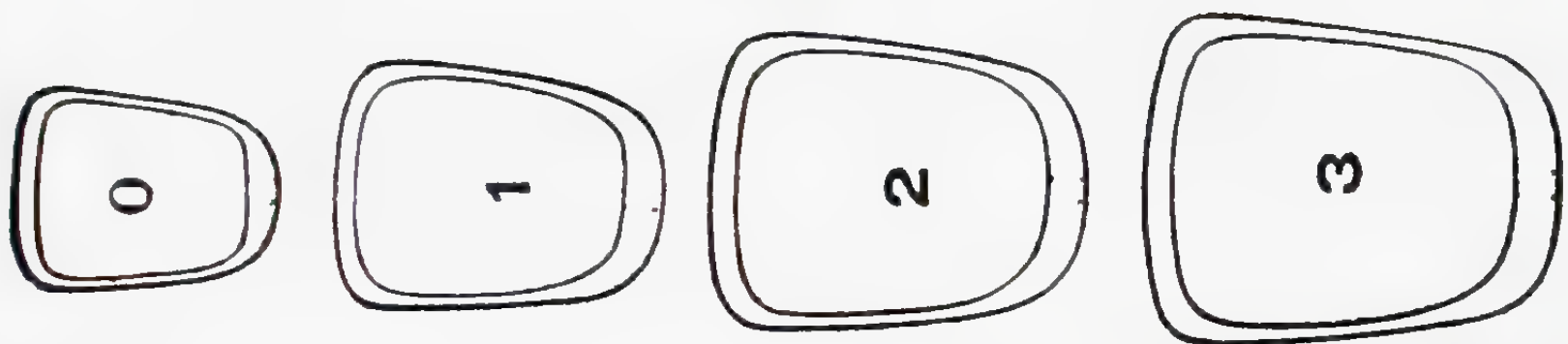
C-3960



C-3970



C-3975



C-3980



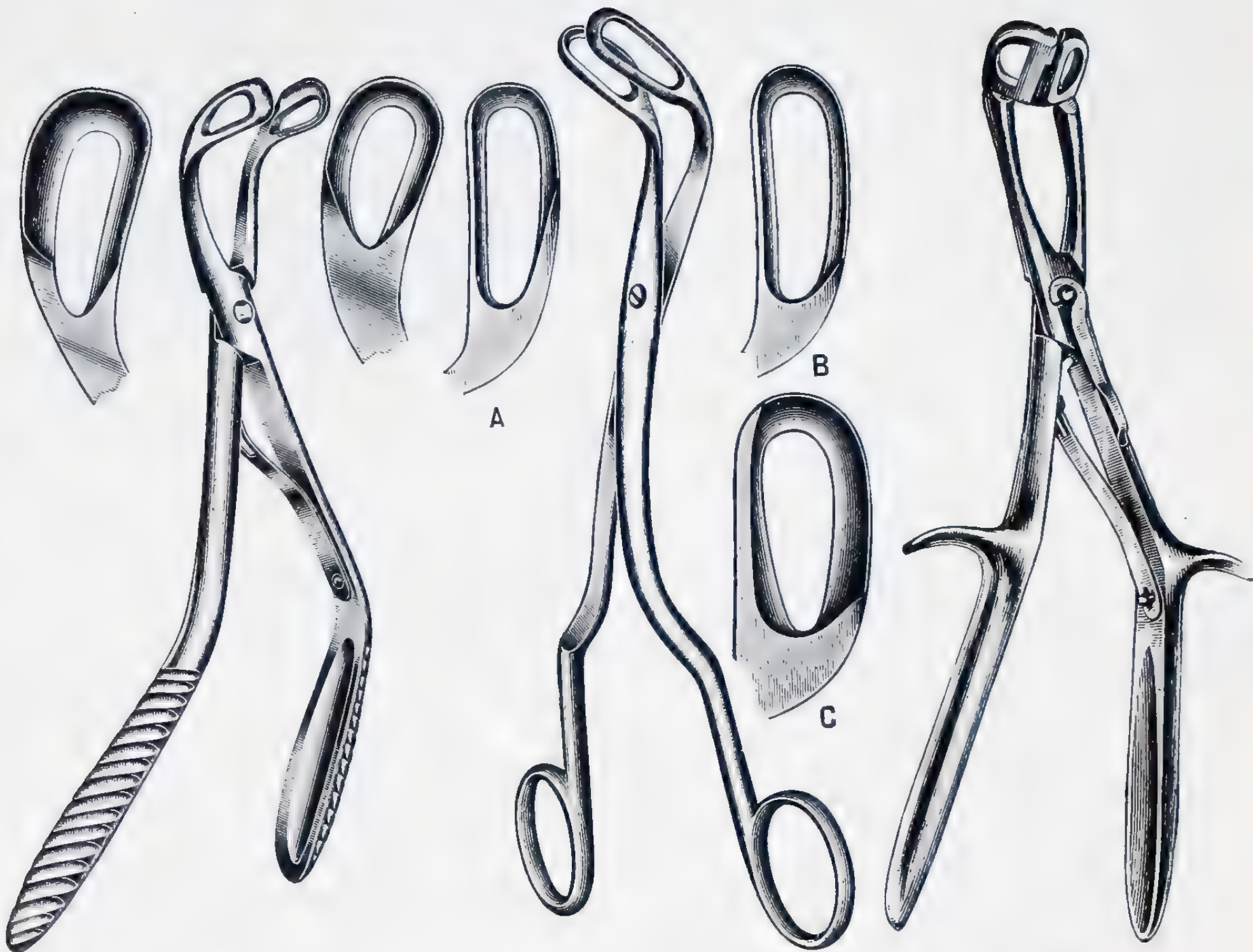
C-3990

Post Nasal Instruments

Adenotomes and Curettes

- C-3940 **Gottstein's**, 3 sizes.
- *C-3945 **Kirstein's**, 3 sizes.
- C-3950 **LaForce's**, 3 sizes.
- C-3955 **LaForce's**, set of 3 sizes with one handle.
- C-3960 **Royce's**, 3 sizes.
- *C-3965 **Sluder's**, 3 sizes.
- C-3970 **St. Clair Thomson's**, 4 sizes.
- C-3975 **Stevenson's** modification of **LaForce's**.
- C-3980 **Stubb's**, 4 sizes.
- *C-3985 **Todd's**, right and left, 2 sizes.
- C-3990 **Vogel's**, for infants, 1 size.

Post Nasal Instruments



C-4000

C-4025-4026-4027

C-4040



C-4020

C-4065

C-4060

C-4005



C-4010



C-4035



C-4030



C-4050

Post Nasal Instruments

Adenoid Cutting Forceps

- C-4000 Brandegees, 2 sizes, latest.
- C-4005 Chatellier's.
- C-4010 Cohen's, fenestrated.
- *C-4015 Curtis'.
- C-4020 Doyen's, cutting.
- C-4025 French's, lymphoid, Fig. B.
- C-4026 French's, vault, Fig. A.
- C-4027 French's, latest, Fig. C.
- C-4030 Jurascz's, original pattern, 3 sizes.
- *C-4031 Jurascz's, latest pattern, 2 sizes.
- C-4035 Hooper's.
- C-4040 McAuliff's.
- *C-4045 Meniere's.
- C-4050 Prince's, latest pattern.
- *C-4055 Quinlan's.
- C-4060 Ruault's.

Adenoid Grasping Forceps

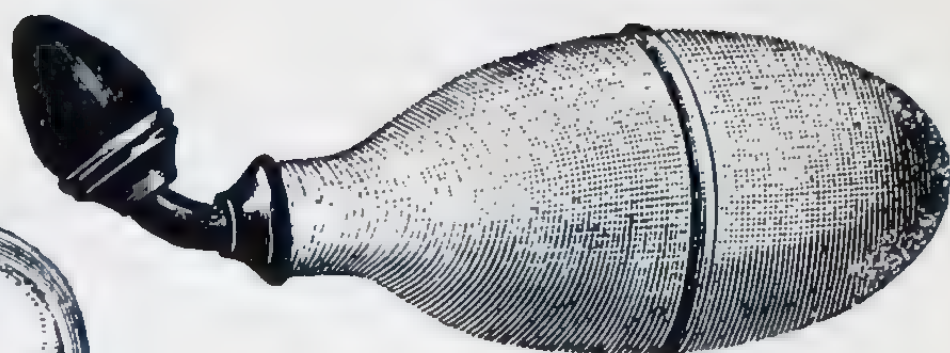
- C-4065 Doyen's.
- *C-4070 Kathi's.
- C-4075 Stille's, sponge and dressing.
- *C-4080 Wagner's.



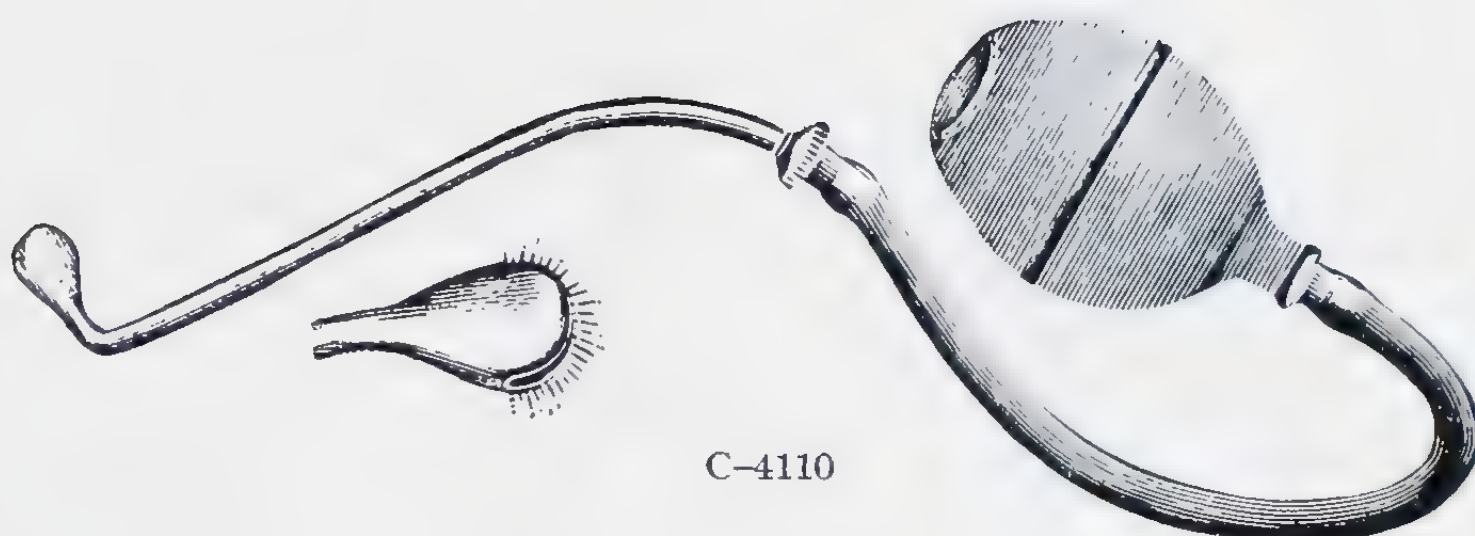
C-4075



C-4100



C-4105



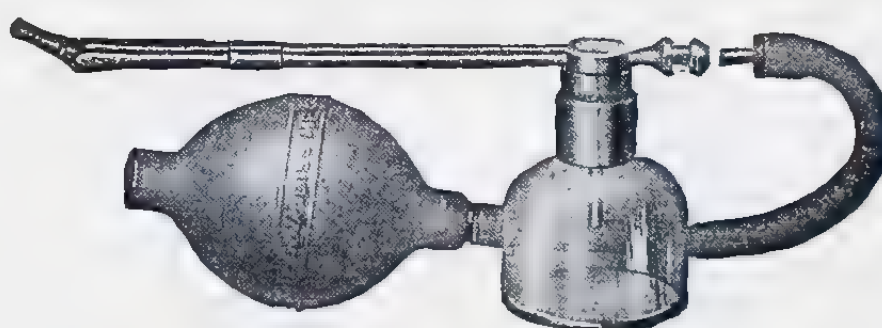
C-4110



C-4135



C-4120



C-4130

Nasal Instruments, Sundries

Douches

- C-4100 Birmingham, glass.
- C-4105 Gem, pocket.
- C-4110 Holmes', post nasal.
- *C-4115 Warner's, post nasal.

Inhalers

- C-4120 Evans', pocket glass.

Insufflators

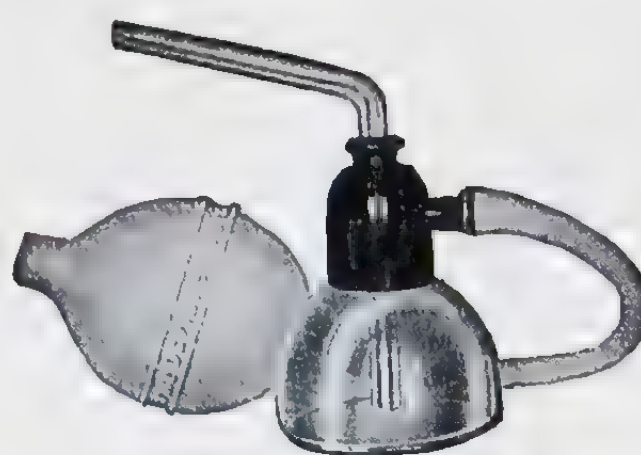
- C-4130 DeVilbiss' No. 36.
- C-4135 Scoop, hard rubber tube.

Syringes (see page 27)

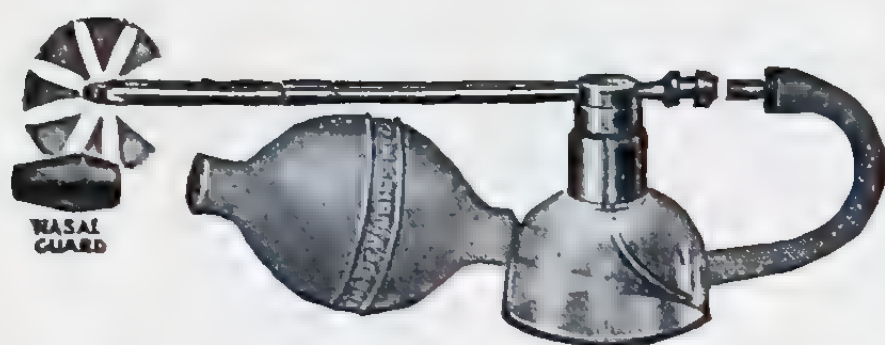
- *C-4140 Catarrhal, hard rubber, 1/2 ounce.
- *C-4141 Catarrhal, hard rubber, 1 ounce.



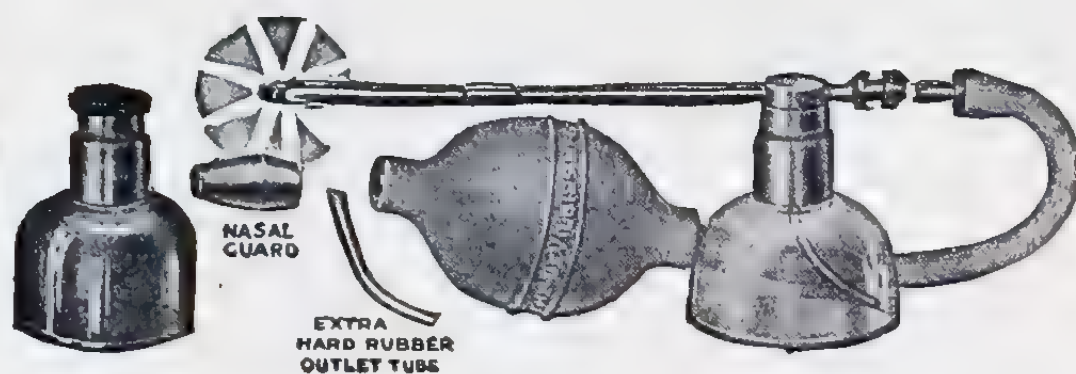
C-4150



C-4152



C-4153



C-4154



C-4155



C-4156

Nasal Instruments

Atomizers and Nebulizers, Hand

- C-4150 DeVilbiss' No. 10, nasal douche, throws heavy stream.
- C-4152 DeVilbiss' No. 13, all glass and hard rubber, for corrosive solutions.
- C-4153 DeVilbiss' No. 15, for oils or aqueous solutions.
- C-4154 DeVilbiss' No. 16, same as No. 15, but with hard rubber outlet tube for corrosive solutions; and extra bottle.
- C-4155 DeVilbiss' No. 28, will spray from any container; with hard rubber outlet tube for corrosive solutions.
- C-4156 DeVilbiss' No. 49, for nebulizing oils only for inhalation.

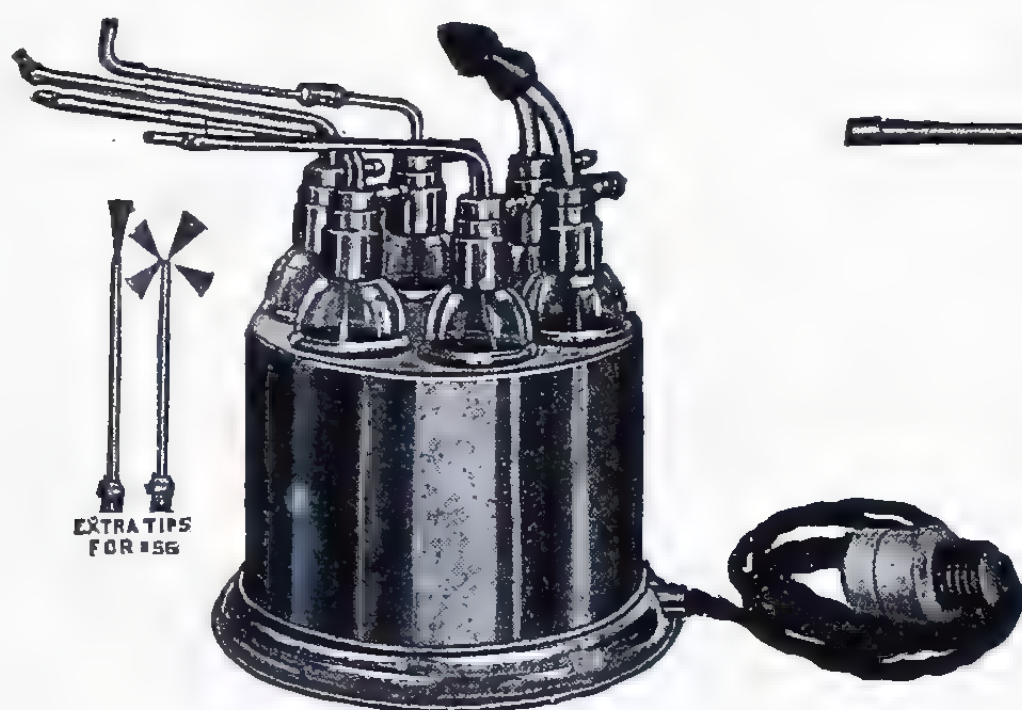
Complete booklet of DeVilbiss spray apparatus furnished on request.



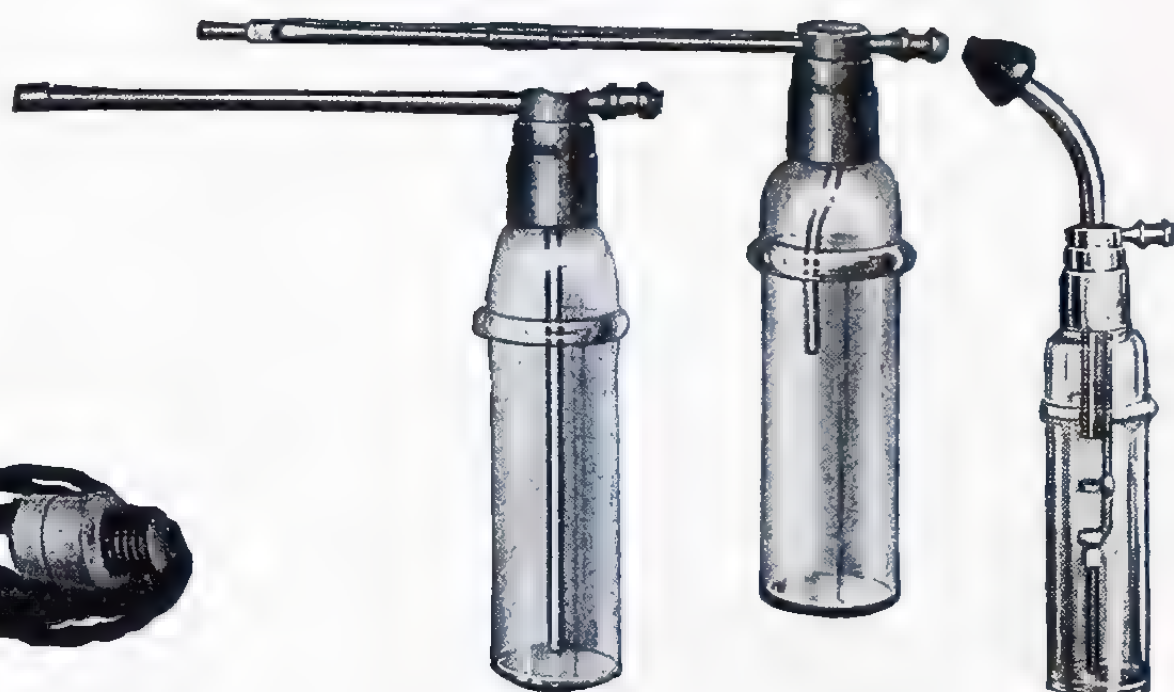
C-4175



C-4176



C-4177



C-4172

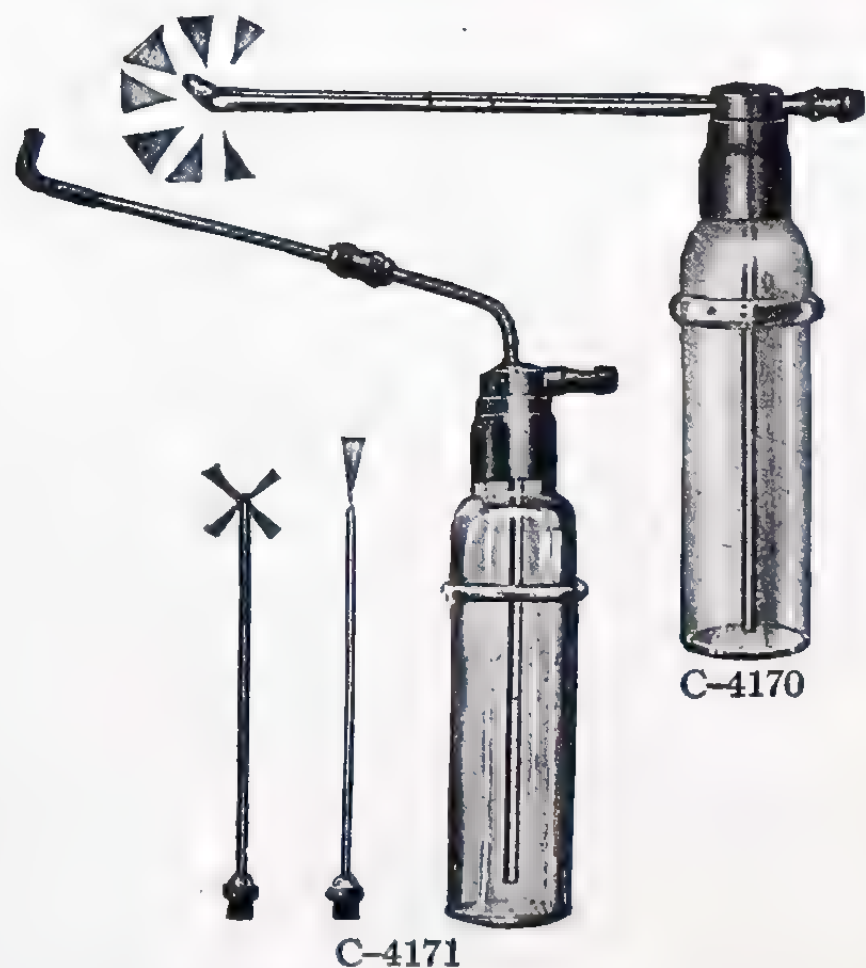
C-4173

C-4174

Nasal Instruments

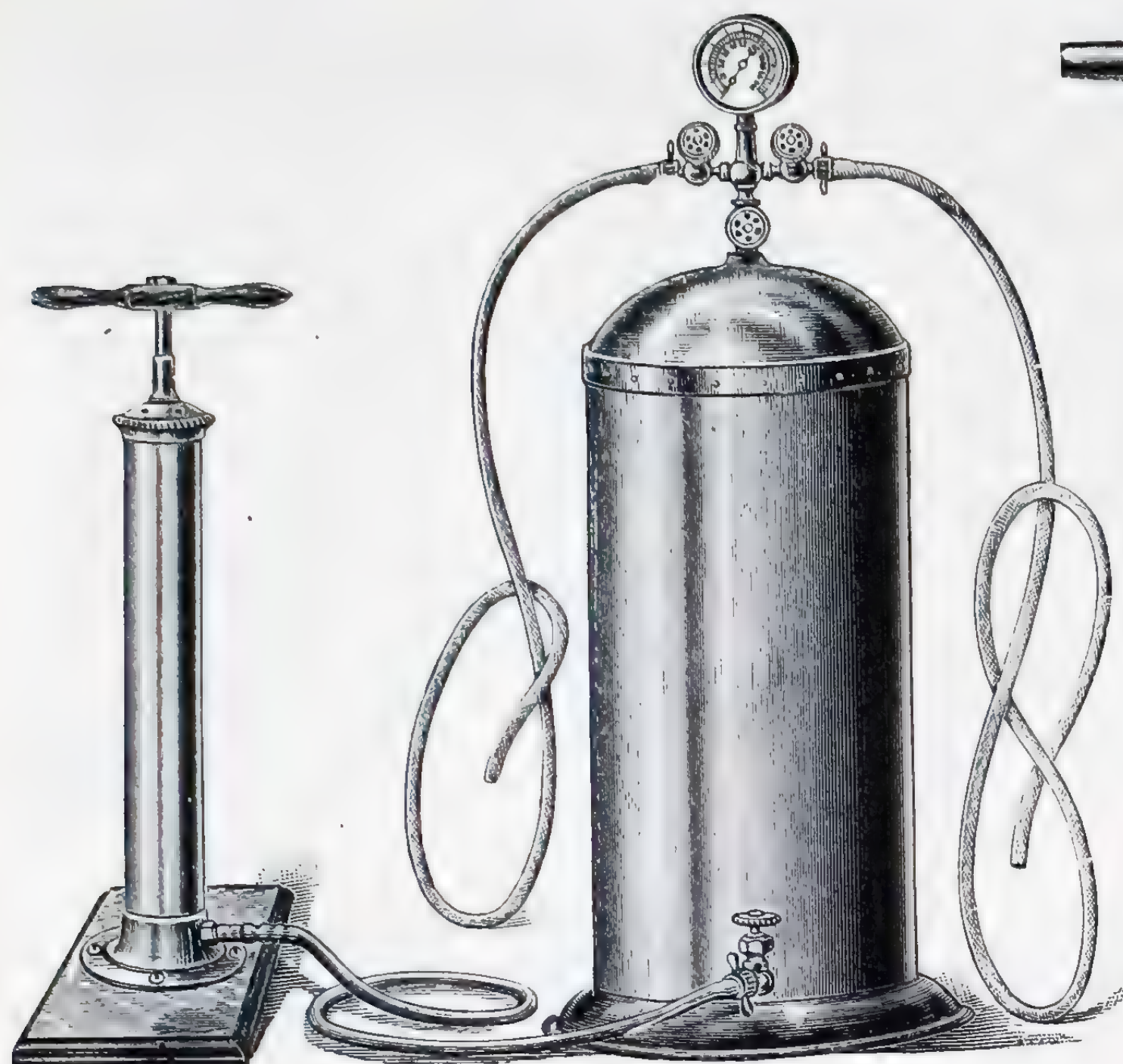
Atomizers and Nebulizers, Compressed Air

- C-4170 DeVilbiss' No. 52, for oils or aqueous solutions.
- C-4171 DeVilbiss' No. 56, for oils or aqueous solutions, with 3 tips.
- C-4172 DeVilbiss' No. 58, produces a very fine spray. For oils or aqueous solutions.
- C-4173 DeVilbiss' No. 73, powder insufflator.
- C-4174 DeVilbiss' No. 80, nebulizer, for oils only.
- C-4175 DeVilbiss' No. 528, set of 3, one each, Nos. 52, 73 and 80, in metal rack.
- C-4176 DeVilbiss' No. 527, set of 3, hard rubber, in metal rack.
- C-4177 DeVilbiss' No. 519, set of 6, in electric bulb heater rack, 2 each, Nos. 52 and 80, 1 each, Nos. 56 and 73; in ordering specify whether wanted for 110 or 220 voltage.

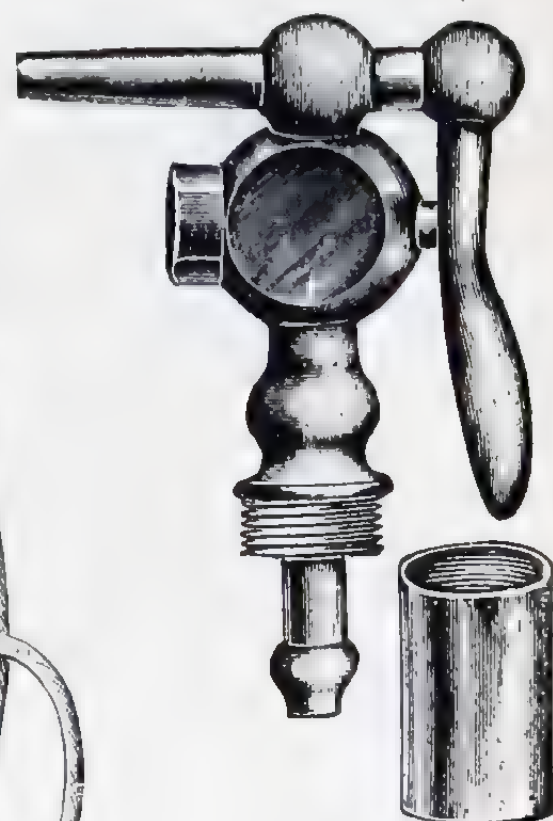


C-4171

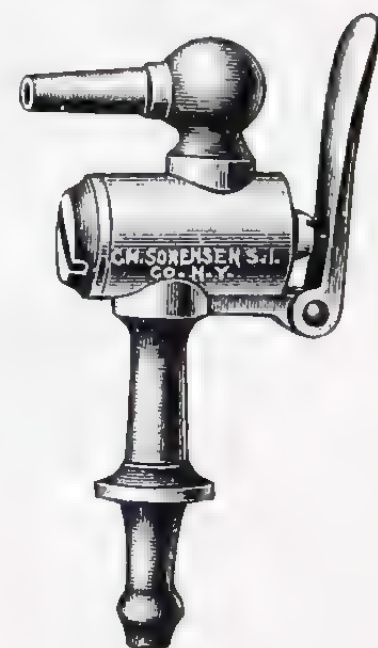
Complete booklet of DeVilbiss spray apparatus furnished on request.



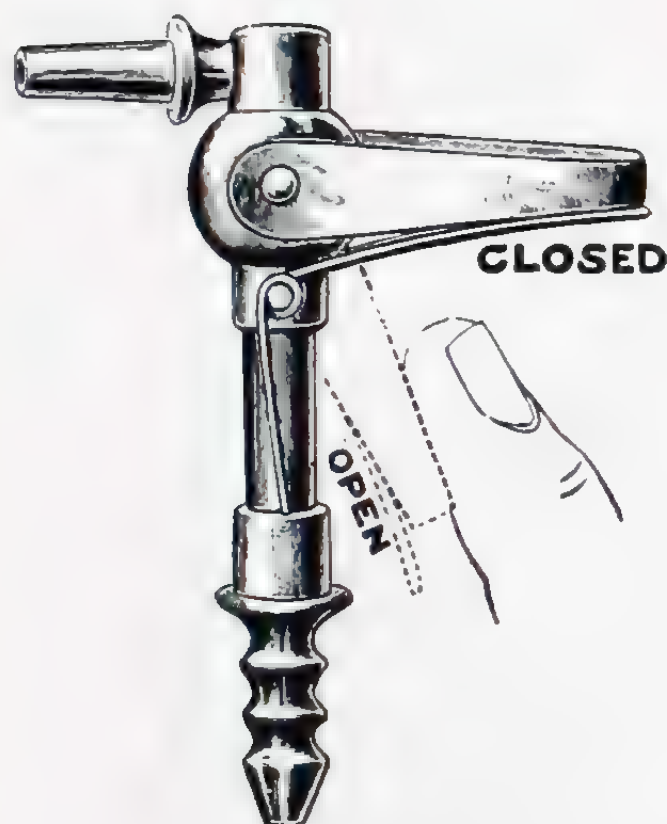
C-4190



C-4205



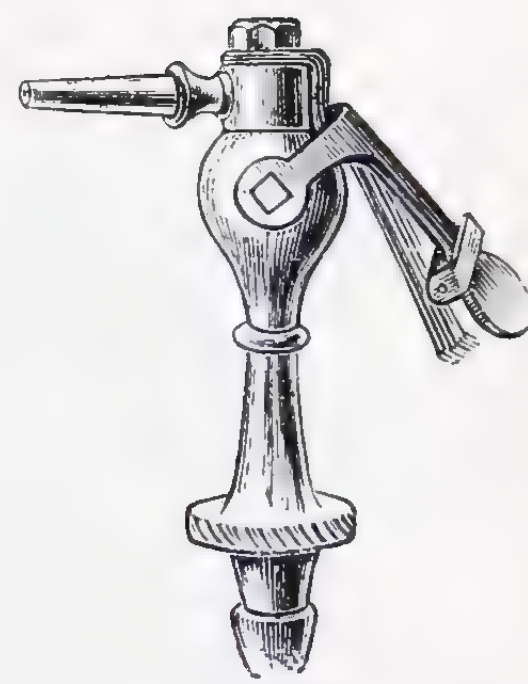
C-4210



C-4215



C-4200

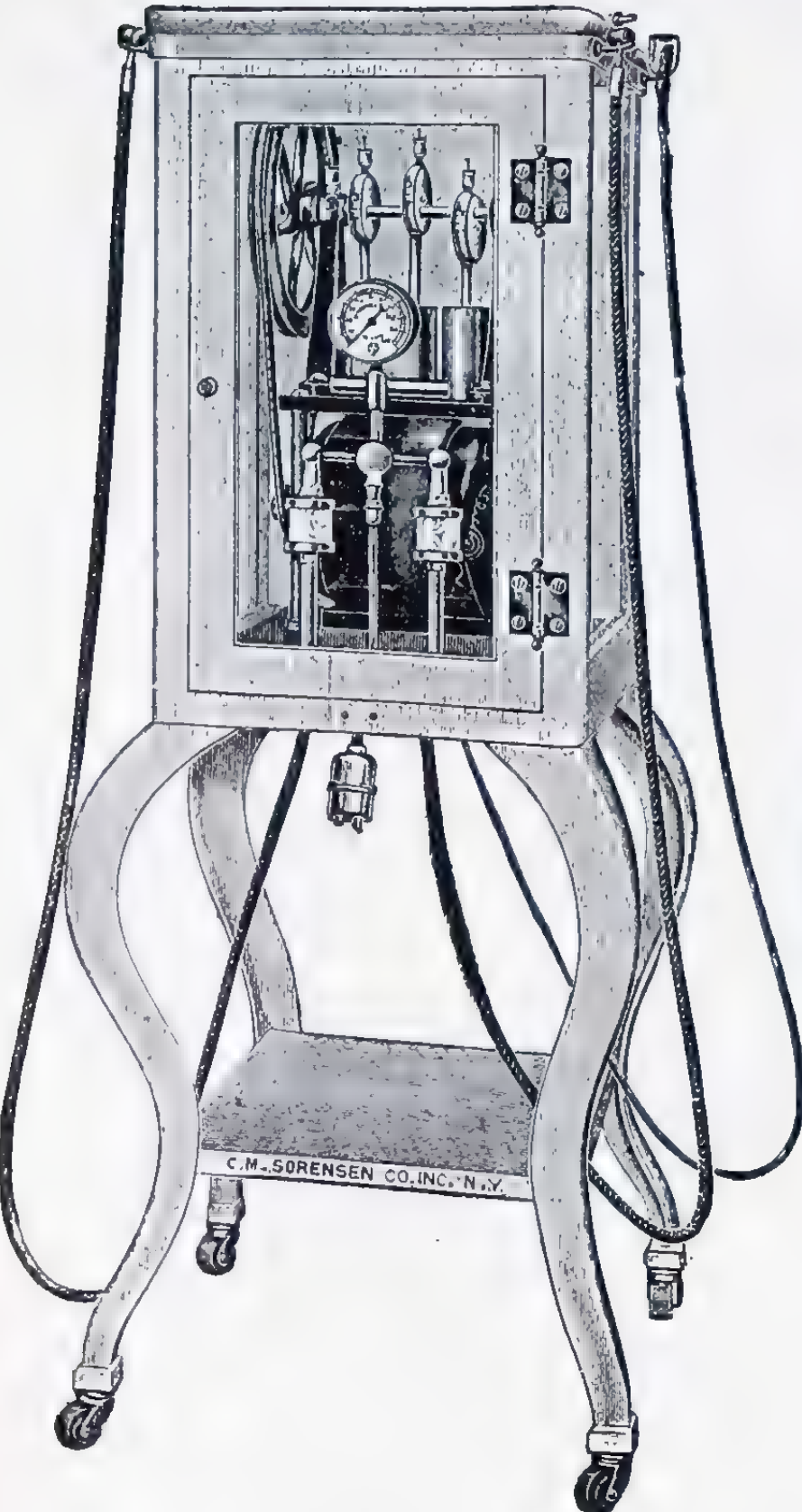


C-4195

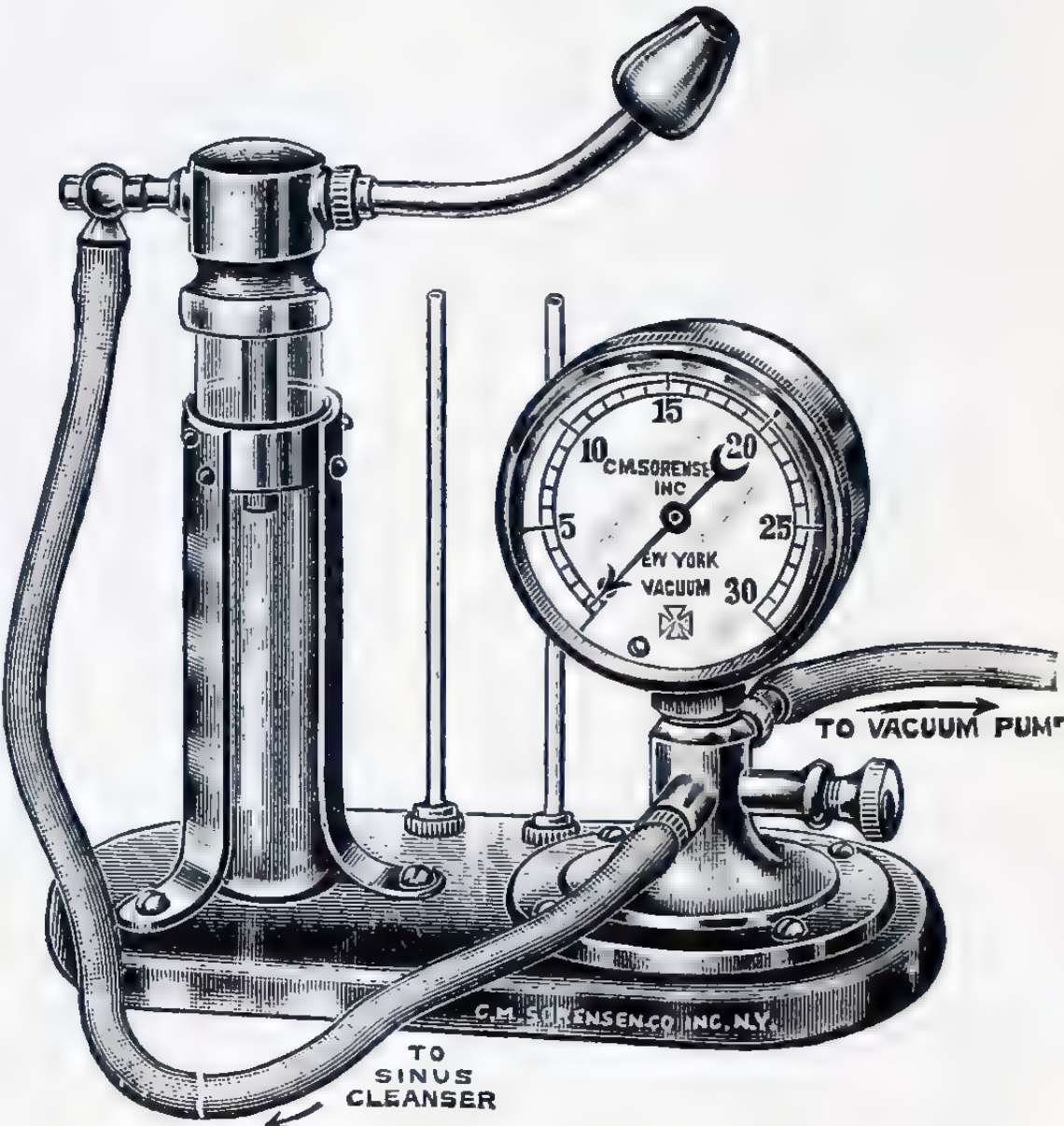
Compressed Air Outfits and Cut-offs

- C-4190 Compressed Air Tank, with T-handle pump, set of 3 hard rubber atomizers, 4 feet of silk-covered tubing with cut-off, and 4 feet of linen-lined rubber tubing.
- C-4195 Boekel's, improved cut-off, automatic.
- C-4200 DeVilbiss', cut-off, automatic.
- C-4205 Polyclinic, cut-off, automatic.
- C-4210 Sorensen's, cut-off, automatic.
- C-4215 Yankauer's, cut-off, automatic.
- *C-4220 Air Pump, double cylinder, lever handle.
- *C-4221 Air Pump, single cylinder, T-handle.

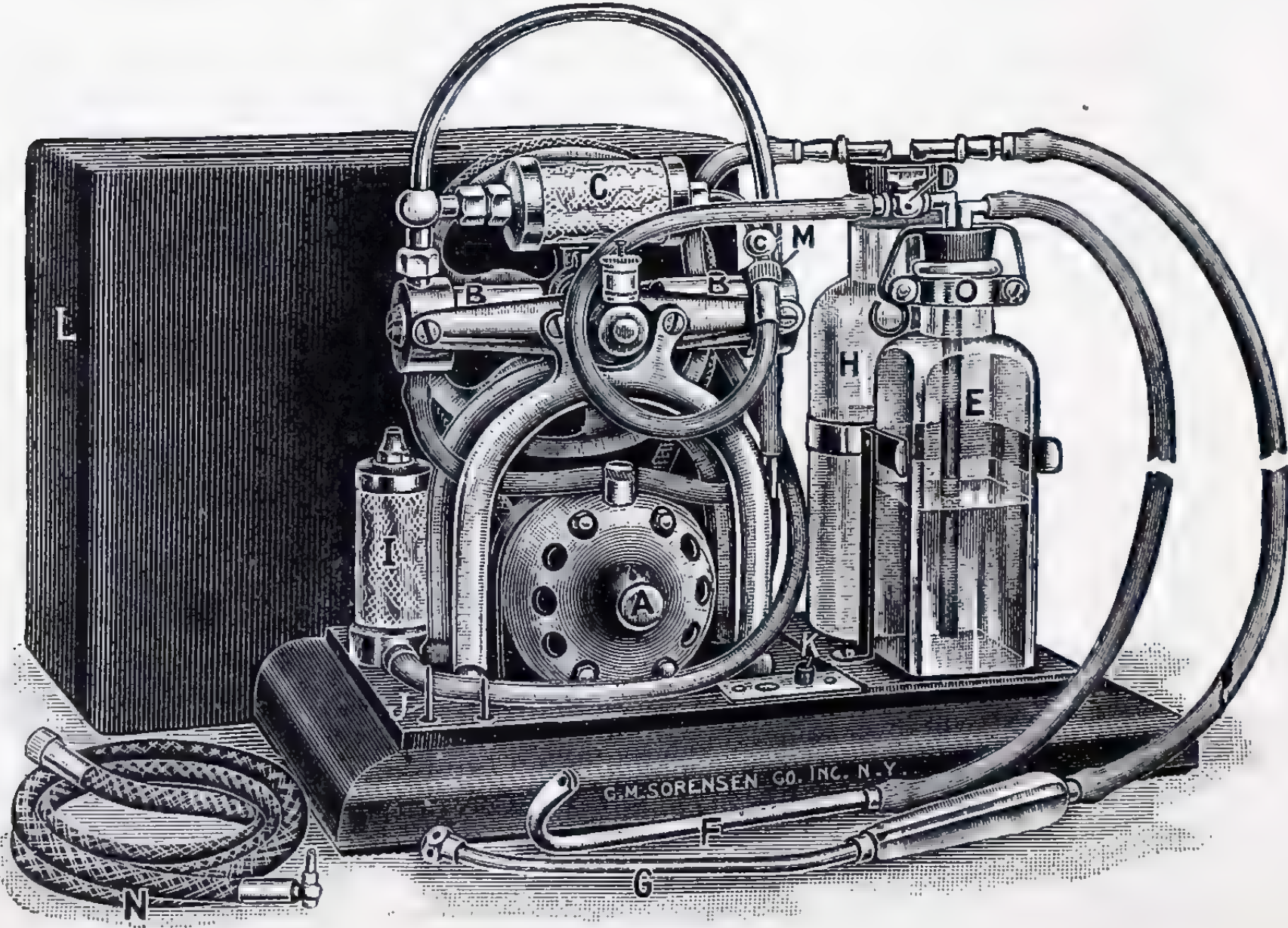
Tankless Air Compressors and Suction Apparatus



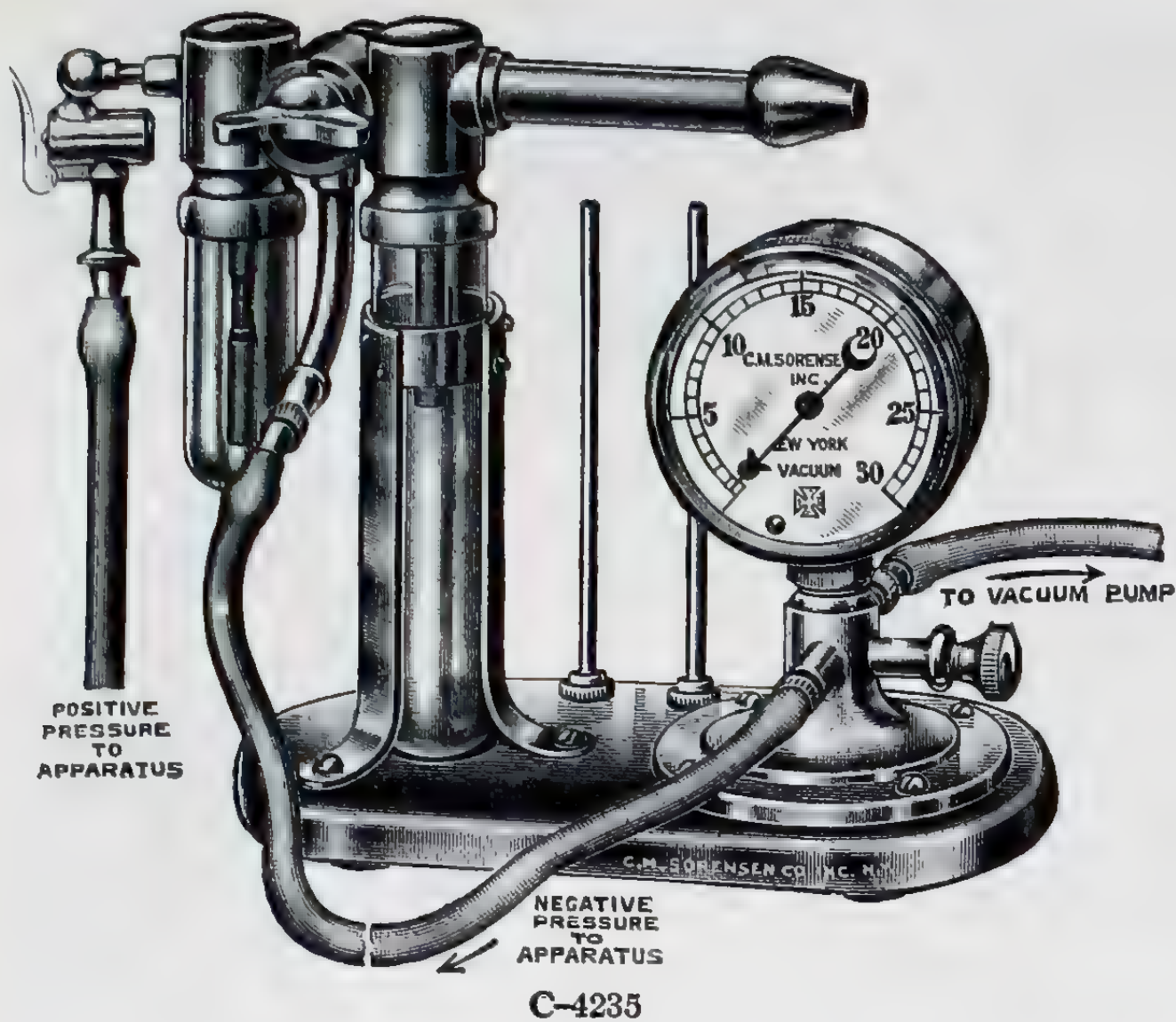
C-4230



C-4240

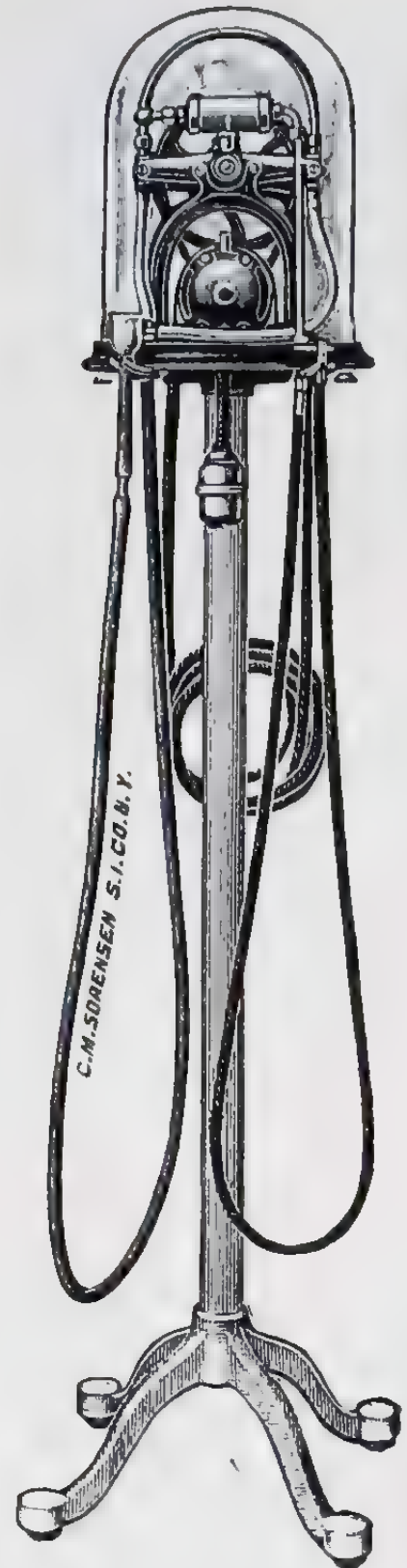


C-4245

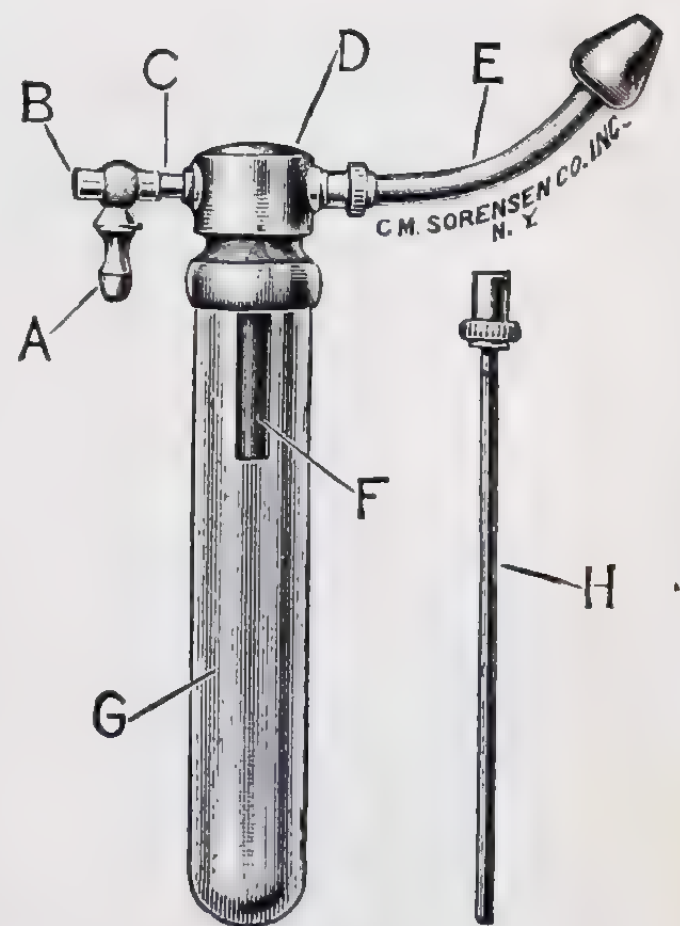


Tankless Air Compression and Suction Apparatus

- C-4230 Sorensen's No. 220**, in white enamel steel cabinet, 47 inches high, 18 inches wide, net weight 60 pounds, shipping weight 105 pounds, for 110 volt D.C. and 110 volt, 60 cycle A.C. This outfit will give an instant pressure from zero to 50 pounds. It will maintain a steady, continuous pressure of 30 to 40 pounds. It consists of a 1-6 horse-power motor, a 3-cylinder eccentric pump with pressure gauge, two 5-foot silk-covered pressure tubes with cut-offs attached, 5-foot soft rubber tube with suction cup and suction release, one regulator and purifiers, cord and plug, ready for use.
- C-4231 Sorensen's, Midget, No. 50**, on white enamel stand, complete as shown, height 48 inches, motors base 8½ inches, net weight 25 pounds, shipping weight 45 pounds; for 110 volt D.C. or 110 volt, 60 cycle A.C. This outfit will maintain a steady, continuous pressure from 10 to 15 pounds.
- C-4235 Coffin's Combination Positive and Negative Pressure Apparatus**, for cleaning and treating the accessory cavities of the nose.
- C-4240 Sorensen's Vacuum Sinus Cleanser**, on stand, with vacuum gauge.
- C-4241 Sorensen's Vacuum Sinus Cleanser**, without stand and vacuum gauge.
- C-4245 Yankauer's Combination Pressure and Suction Outfit** for 110 volt D.C., and 110 volt, 60 cycle A.C., complete as shown.

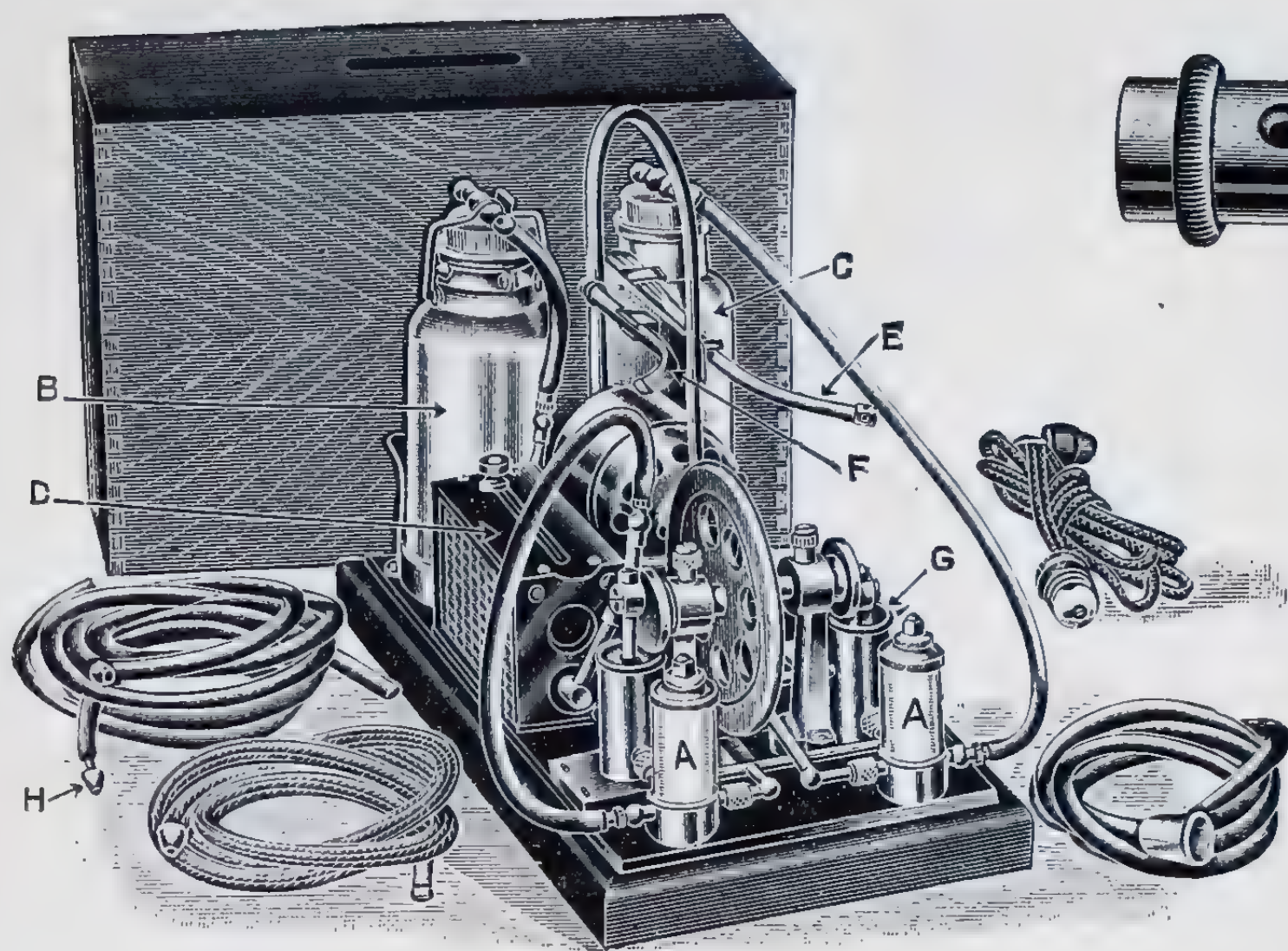


C-4231

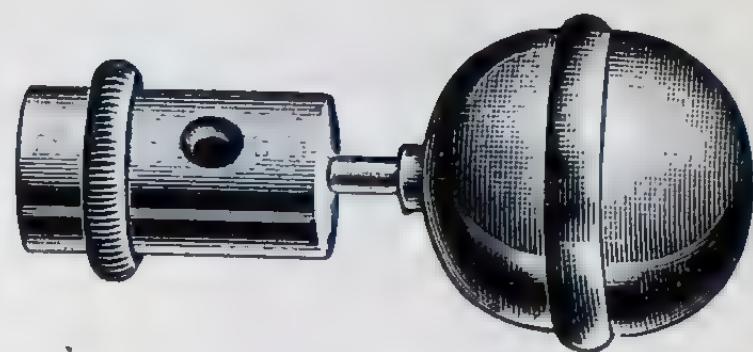


C-4241

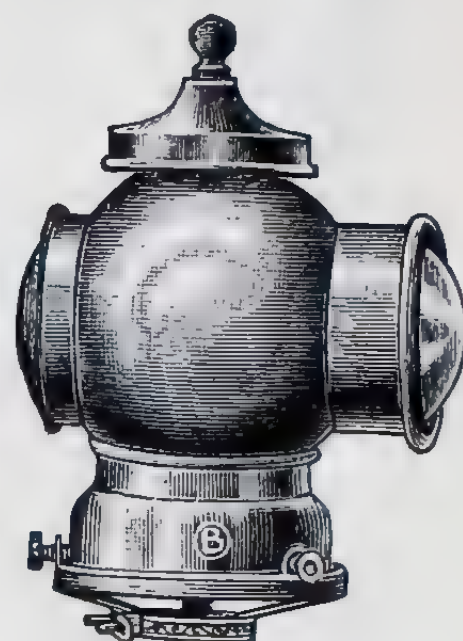
Complete illustrated booklet on Tankless Apparatus sent on request.



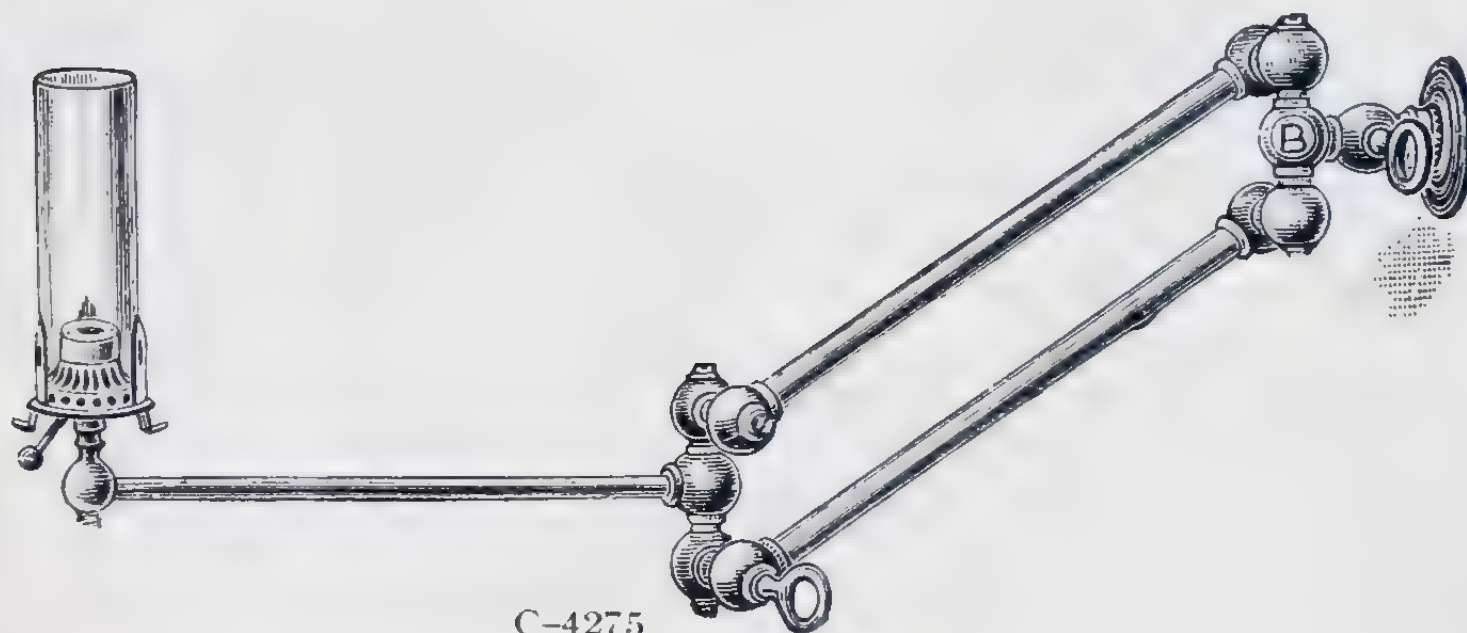
C-4250



C-4255



C-4265



C-4275

Tankless Air Compressors and Suction Apparatus

C-4250 **Steiner Aeroizer**, positive pressure and suction, hot air douche, **Biers'** hyperemia, aero-massage and anaesthetizing; this apparatus heats the ether vapor; the motor is universal for either 110 D.C., or 110 A.C., complete as shown.

C-4255 **Safety Valve Float**, for use with any tankless suction apparatus; prevents suction bottle from overflowing.

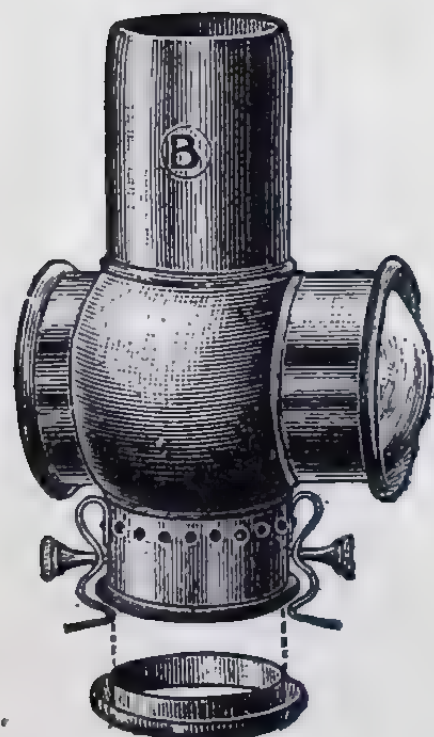
Brackets and Light Condensors

C-4260 **Coakley's**, electric light stand, complete with spiral filament lamp.

C-4265 **Condensor, Boekel's**, improved, for Edison 16 c.p. lamp.

C-4270 **Condensor, McKenzie's**, for electric light Argand burner or students' lamp.

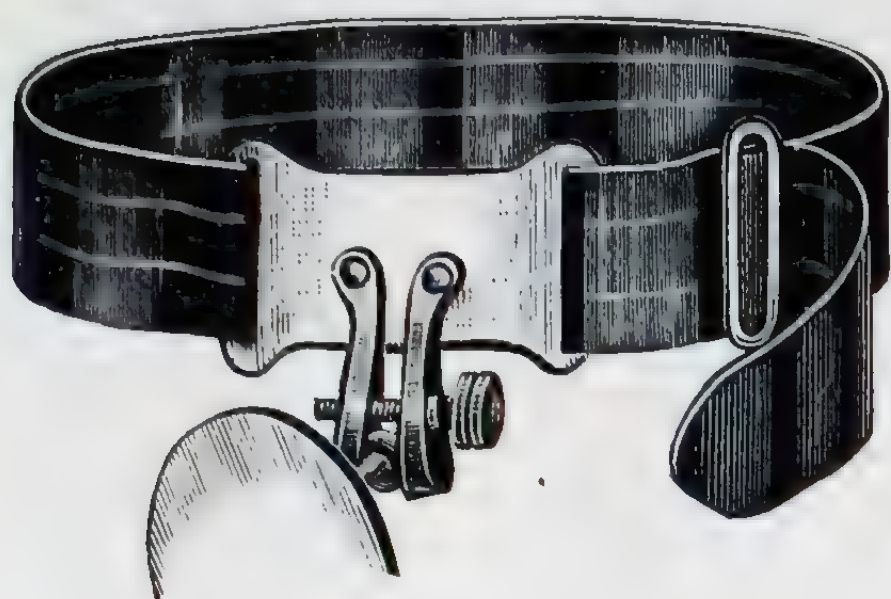
C-4275 **Extension Bracket**, 2 arm, polished brass or nickel-plated.



C-4270



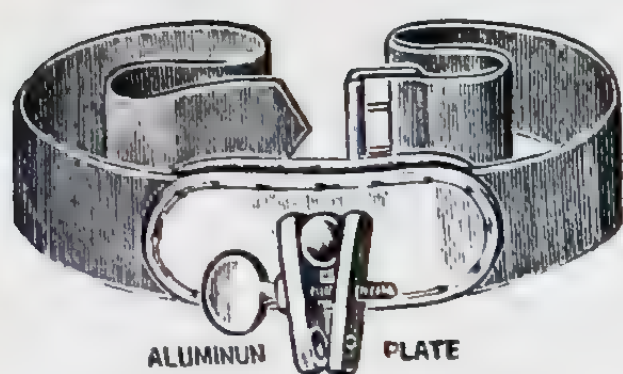
C-4260



C-4300



C-4305

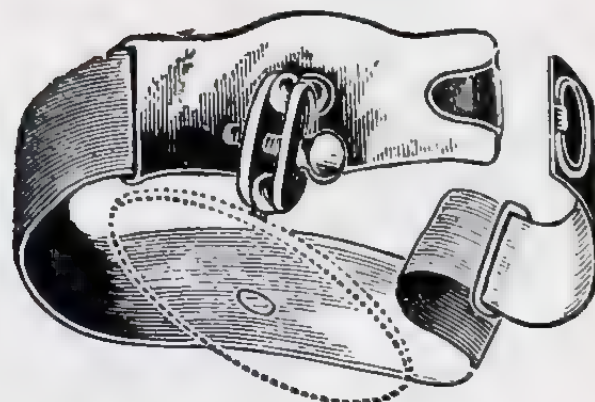


ALUMINUM PLATE

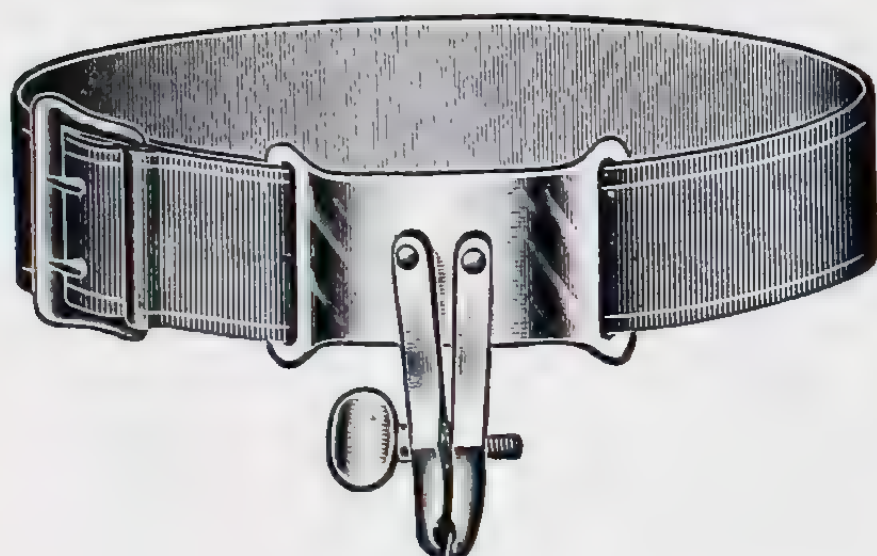
C-4310



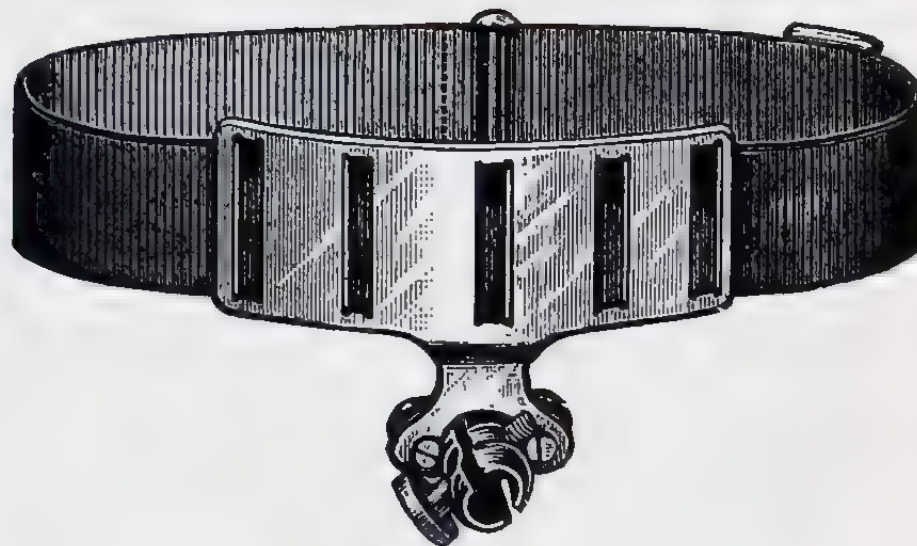
C-4335



C-4315



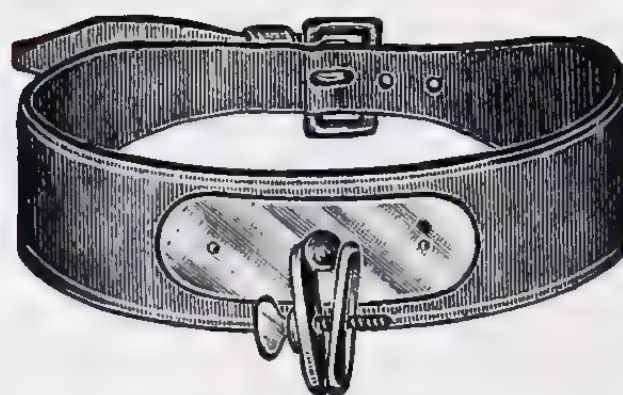
C-4325



C-4345

Head Bands

- C-4300 Bosworth's.
- C-4305 Fraenkel's, without mirror.
- C-4310 French's, with silk strap.
- C-4315 Gleason's, with leather strap.
- *C-4320 Haslam's, with nose rest.
- C-4325 Ivan's, webbing band.
- C-4330 Jefferson's, leather band.
- C-4335 Pynchon's, adjustable fibre.
- *C-4340 Pynchon's, metal front plate, hard rubber back, webbing band.
- C-4345 Schroetter's, with nose rest.
- C-4350 Worrall's, metal spring, plain.
- *C-4351 Worrall's, metal spring, folding.
- *C-4352 Worrall's, metal with cross spring.



C-4330



C-4350

STANDARD SURGICAL INSTRUMENTS



C-4452



C-4460



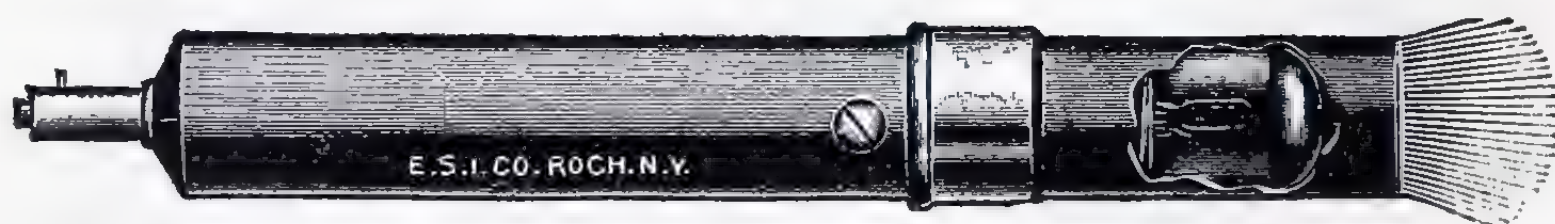
C-4458



C-4456



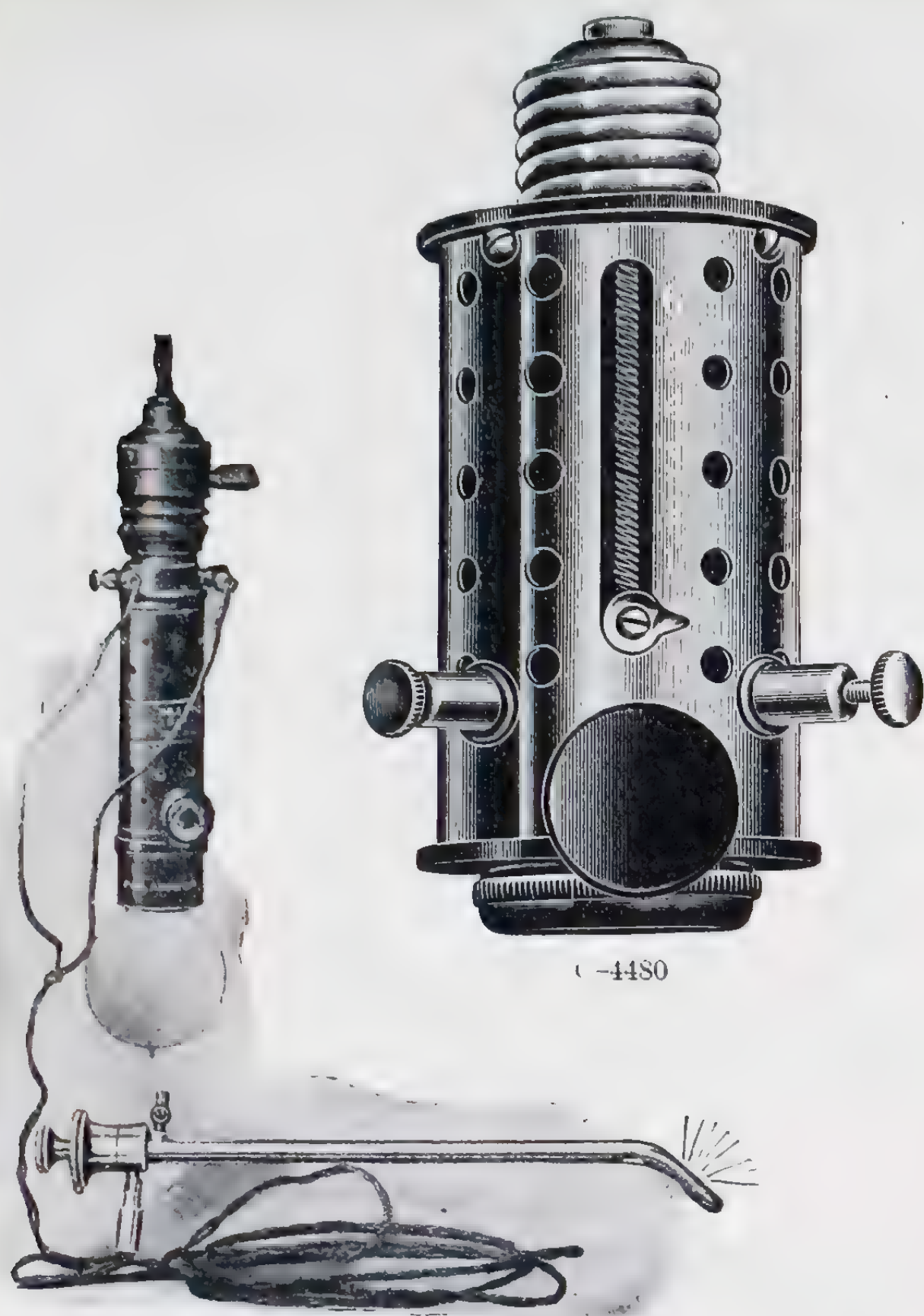
C-4450



C-4454

Electro Diagnostic Instruments

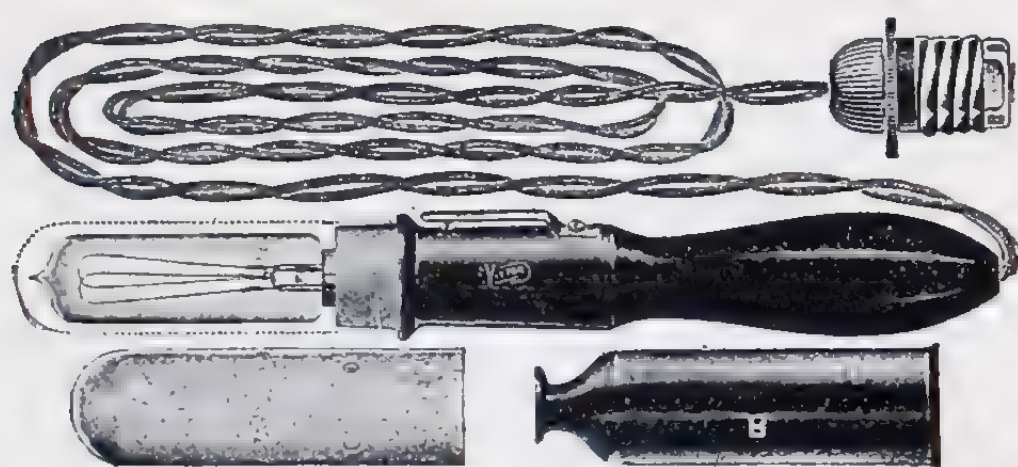
- C-4450 **Dowling** Antrum Illuminator, E. S. I. Co.
- *C-4451 Extra lamps for above. E. S. I. Co. No. 6.
- C-4452 **E. S. I. Co.** Antrum Illuminator.
- *C-4453 Extra lamps for above. E. S. I. Co. No. 17 (6 volts), No. 18 (10 volts).
- C-4454 **E. S. I. Co.** Frontal Sinus Illuminator.
- *C-4455 Extra lamps for above. E. S. I. Co. No. 14 (6 volts), No. 15 (10 volts).
- C-4456 **E. S. I. Co.** General Diagnostic Illuminator.
- *C-4457 Extra lamps for above. E. S. I. Co. No. 7.
- C-4458 **E. S. I. Co.** Laryngoscope and Mouth Lamp.
- *C-4459 Extra lamps for above. E. S. I. Co. No. 1.
- C-4460 **Holmes** Naso Pharyngoscope, complete in metal case with cords and 1 extra lamp, **E. S. I. Co.**
- *C-4461 Extra lamps for the above, remounted. E. S. I. Co.



C-4475

C-4480

C-4470



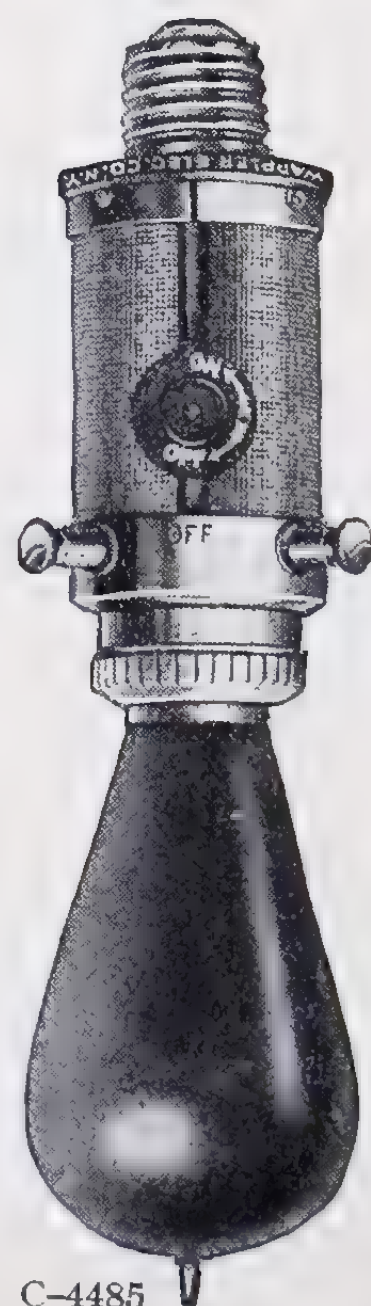
C-4465

Electro Diagnostic Illuminators

- *C-4463 Coakley's Transilluminator.
- C-4465 Freer-Jackson's Transilluminator.
- *C-4466 Extra lamps for above.
- C-4470 Sullivan's Antrum and Frontal Sinus Illuminator, E. S. I. Co.
- *C-4471 Extra lamps for above. E. S. I. Co. No. 14 (6 volts), No. 15 (10 volts).

Socket Current Controller

- C-4475 E. S. I. Co., complete with cords and lamp.
- *C-4476 E. S. I. Co., without cords and lamp.
- C-4480 Steiner's, with lamp.
- *C-4485 Wappler's, with lamp.
- *C-4477 E. S. I. Co., silk-covered cords, regular connection.
- *C-4478 E. S. I. Co., silk-covered cords, with make and break connection.
- *C-4479 E. S. I. Co., Tungsten battery.



C-4485



Dermal Instruments

Comedo Extractors

- *C-4500 Jackson's, acne lancet.
- *C-4501 Jackson's, comedo expressor.
- C-4505 Martin's, double.
- C-4510 Piffard's.
- C-4515 Saalfeld's, with acne lancet.
- C-4516 Saalfeld's, short, with acne lancet.
- C-4520 Schamberg's, illustration full size.
- C-4525 Unna's, double.

Dermal Curettes

- C-4535 Fox's.
- C-4536 Fox's, with acne lancet.
- *C-4540 Hebra's.
- C-4545 Piffard's.
- C-4550 Stelwagon's, 2 sizes of long oval spoons.
- C-4555 Wright's.

Pencil

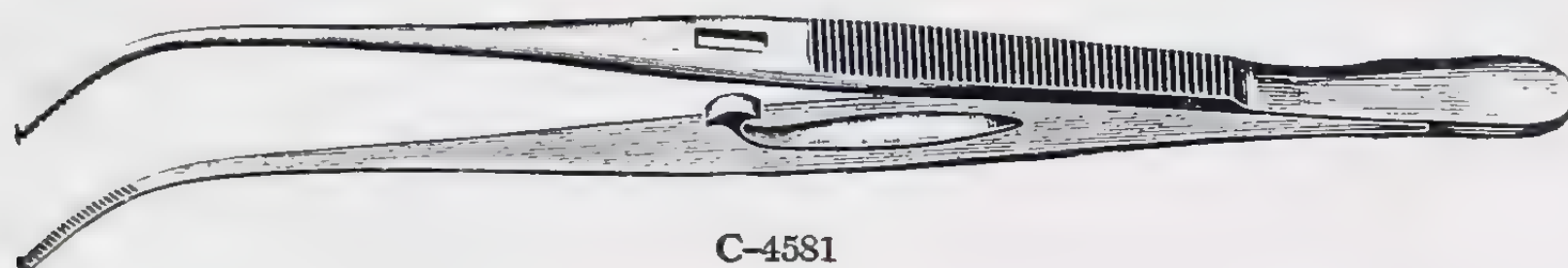
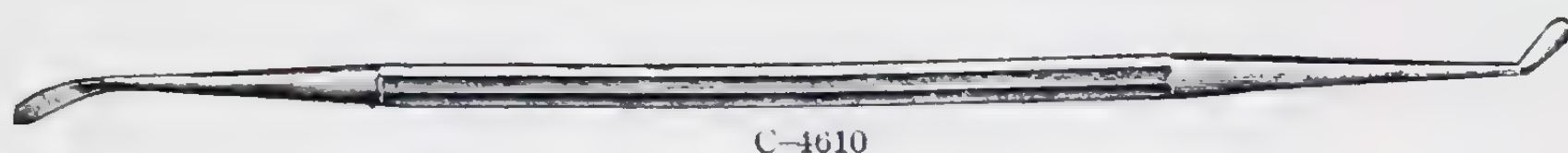
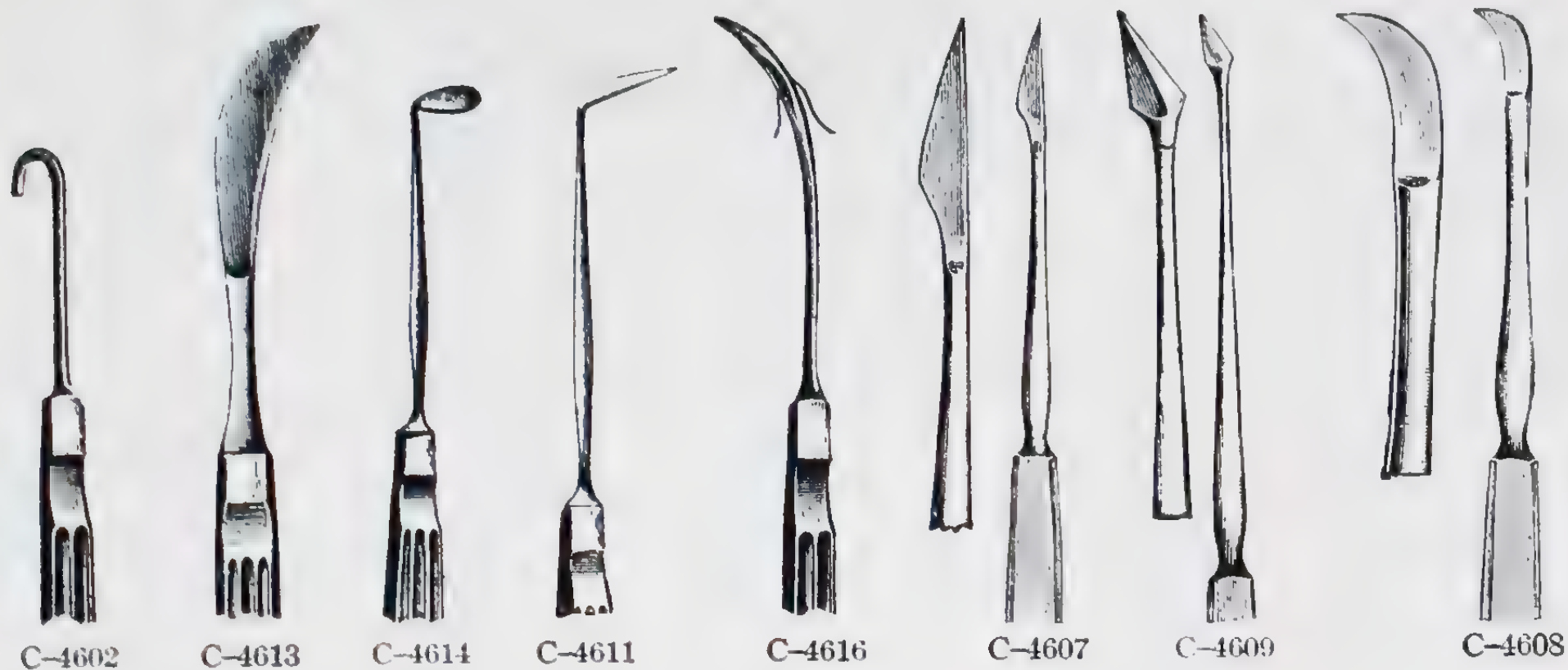
- C-4560 Dermatograph, with metal protecting cap, blue or red.

Punch

- C-4565 Keyes', cutaneous, sizes 2 to 7 mm. For eradicating powder marks, moles, etc.

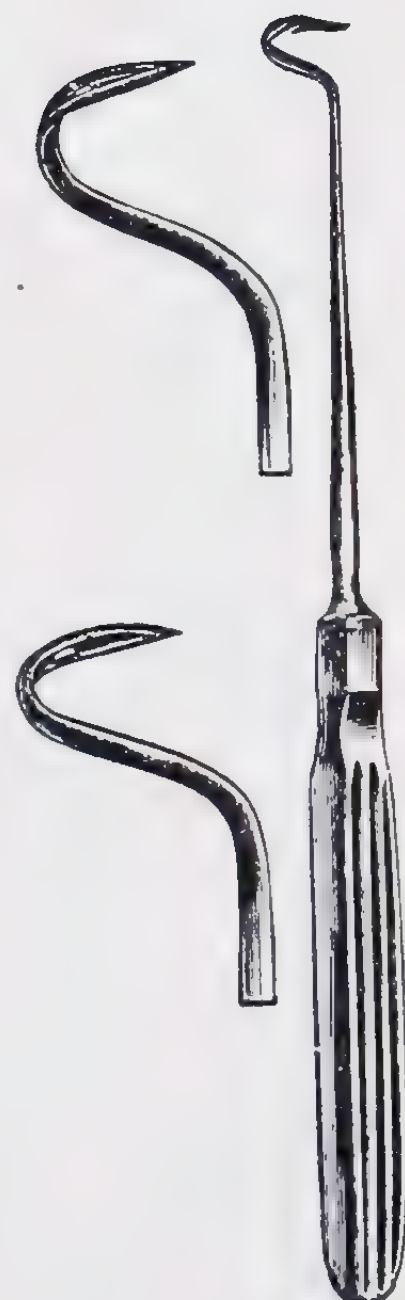
C-4536

C-4565

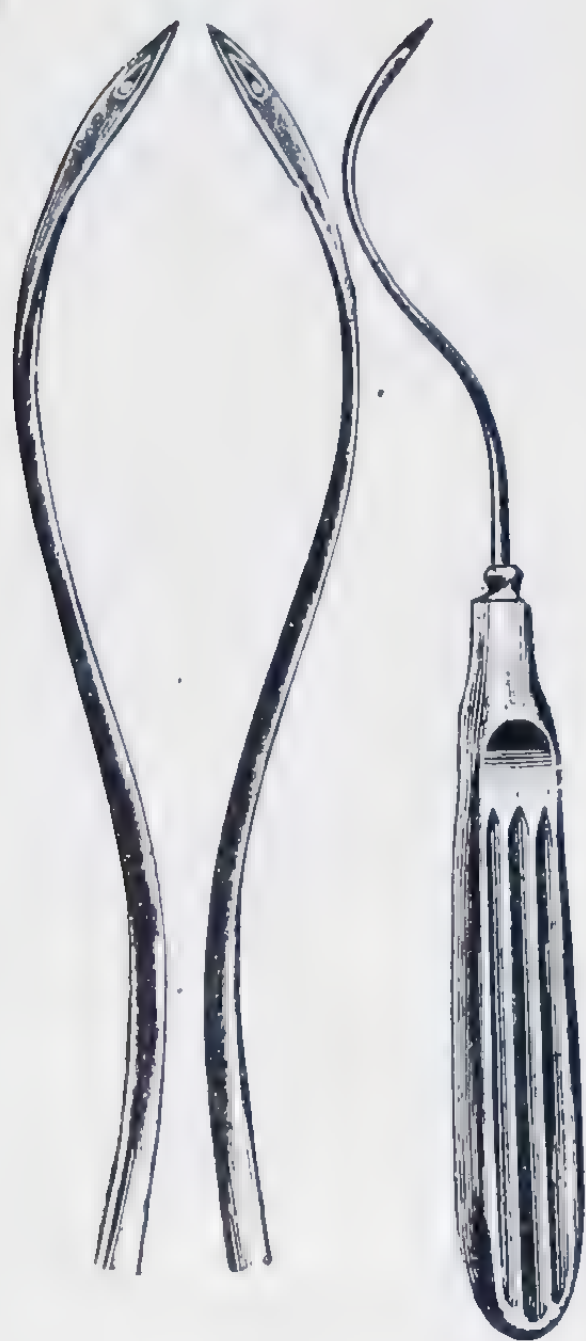


Staphylorrhaphy Instruments

- *C-4575 Forceps, tissue, straight, 1 x 2, 3 x 4, 4 x 5 teeth.
- *C-4576 Forceps, tissue, curved, 1 x 2, 3 x 4, 4 x 5 teeth.
- C-4580 Forceps, tissue, **Brophy's**, straight.
- C-4581 Forceps, tissue, **Brophy's**, curved.
- *C-4583 Forceps, plain, **Brophy's**, straight, serrated points, 6½ inches.
- *C-4585 Forceps, tongue, London pattern.
- *C-4590 Forceps, **Brophy's**, wire twisting.
- *C-4595 Forceps, **Walcher's**, suture removing.
- *C-4600 Hook, **Brophy's**, ligature.
- *C-4601 Hook, **Langenbeck's**, sharp.
- C-4602 Hook, **Updegraff's**, curved, sharp.
- *C-4605 Knife, **Brophy's**, straight scalpel, long shank.
- *C-4606 Knife, **Brophy's**, double edged.
- C-4607 Knife, **Brophy's**, straight back, very thin.
- C-4608 Knife, **Brophy's**, curved bistoury.
- C-4609 Knife, **Brophy's**, angular, double edged.
- C-4610 Knife, **Crile's**.
- C-4611 Knife, paring.
- *C-4612 Knife, **Updegraff's**, curved, sharp.
- C-4613 Knife, **Whitehead's**, gum.
- C-4614 Knife, **Whitehead's**, hoe shape.
- C-4615 Needle, **Deschamps's**, right and left, sharp.
- C-4616 Needle, **Updegraff's**, half curved.
- *C-4617 Needle, **Updegraff's**, full curved.



C-4615



C-4618



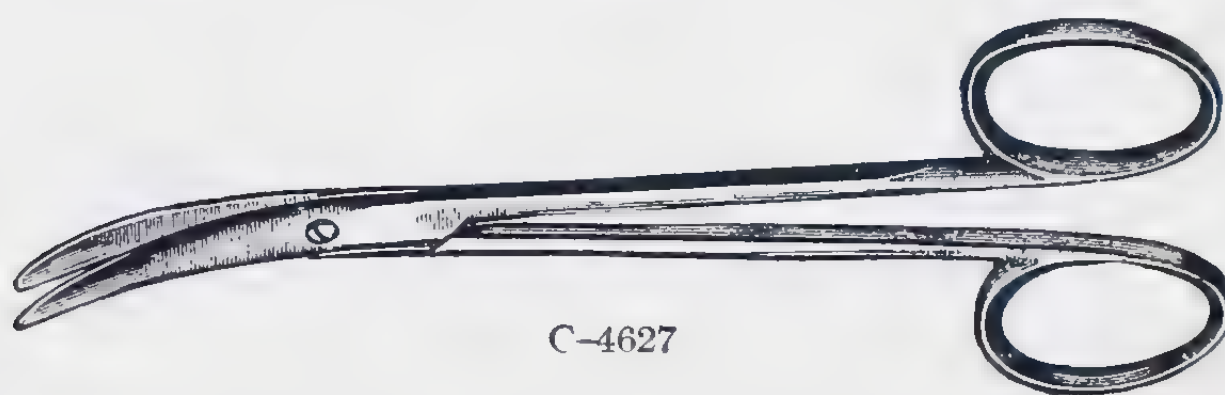
C-4626



C-4622



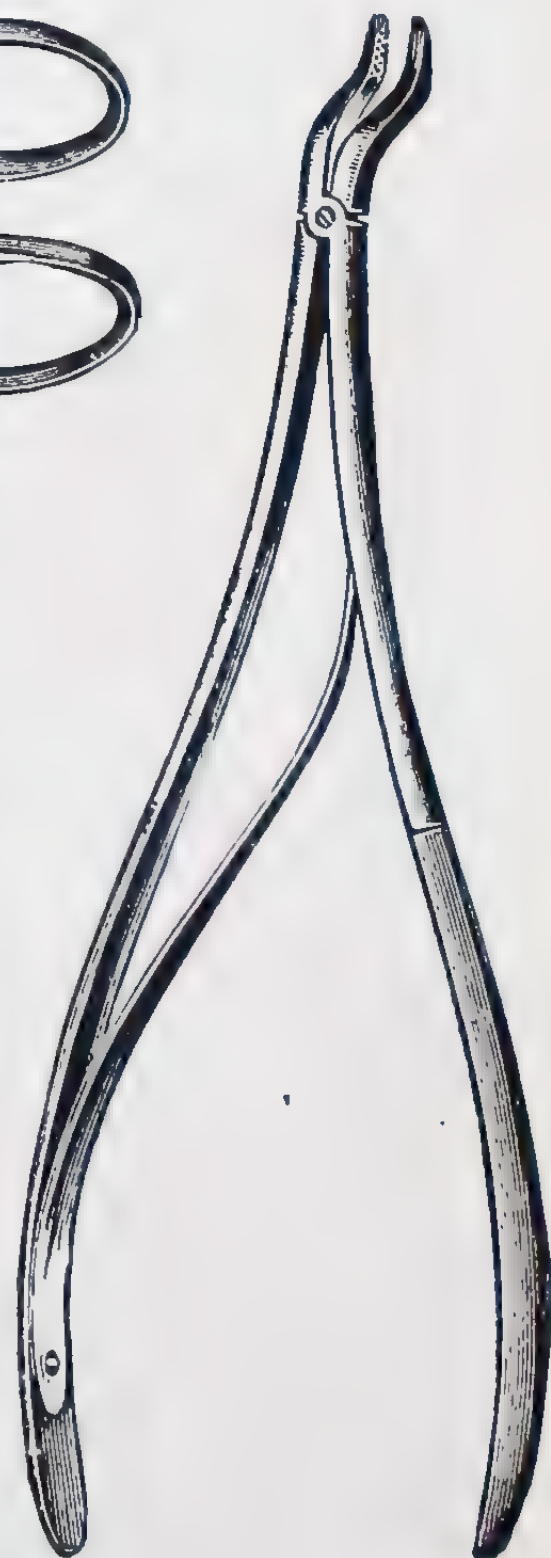
C-4623



C-4627



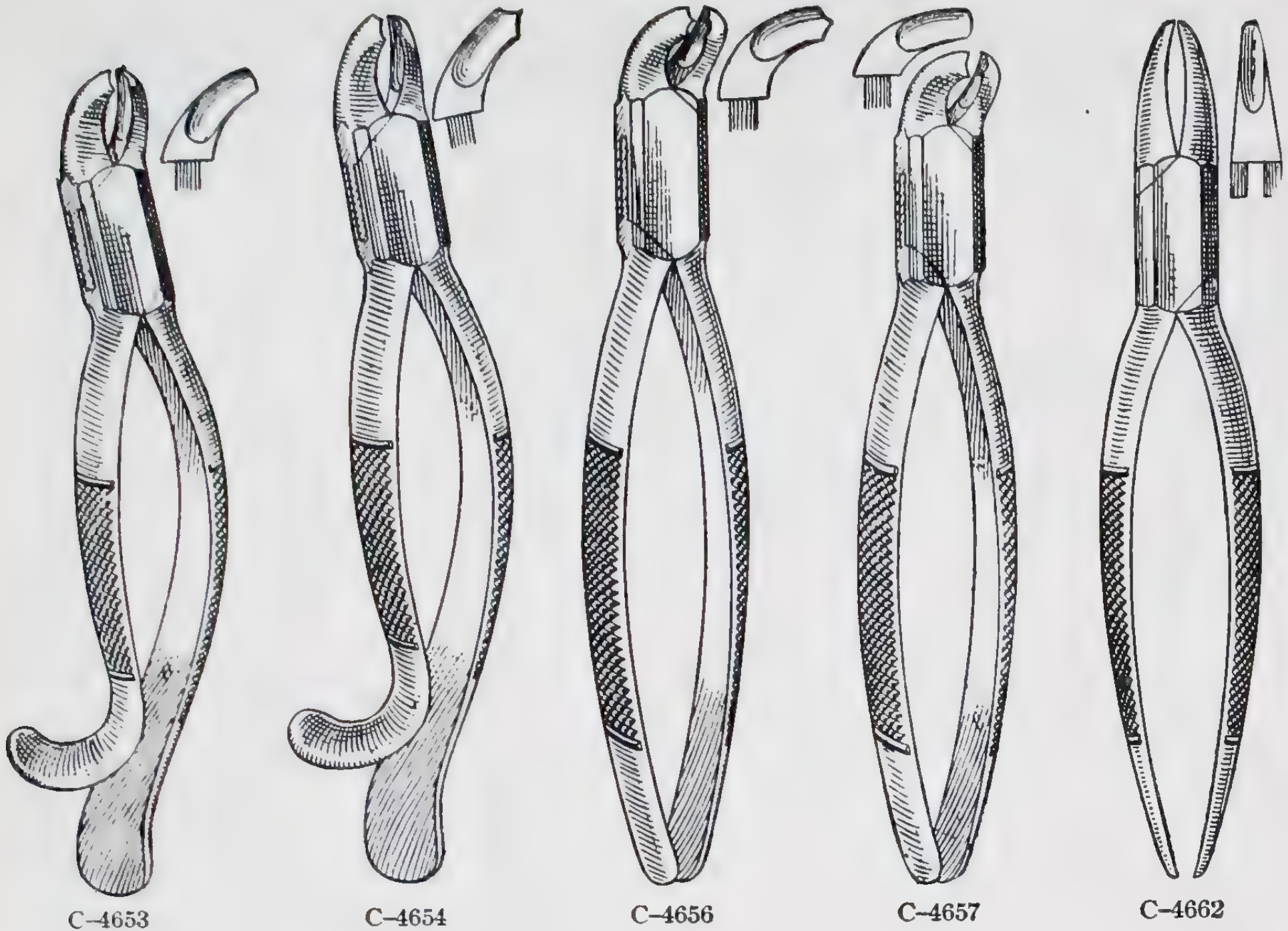
C-4620



C-4621

Staphylorrhaphy Instruments

- C-4618 Needle, **Brophy's**, bone, right and left.
- *C-4619 Needle, **Whitehead's**, spiral.
- C-4620 Needle Holder, **Brophy's**,
- C-4621 Needle Holder, **Von Eiselberg's**.
- C-4622 Pereosteotome, **Brophy's**, right angle, narrow and wide.
- C-4623 Pereosteotome, **Brophy's**, acute angle, narrow and wide.
- *C-4624 Plates, lead, **Brophy's**, 2 thicknesses (operation requires 6).
- *C-4625 Punch, **Brophy's**, for lead plates.
- C-4626 Scarifiers, **Brophy's**, right and left.
- C-4627 Scissors, **Brophy's**, gum, 5 $\frac{3}{4}$ inches.
- *C-4628 Scissors, **Brophy's**, wire cutting.
- *C-4629 Shield with nipple, for nursing bottle.
- *C-4630 Shield, breast, for cleft palate babies.
- *C-4631 Speculum, **Brophy's**, oval, set of 4 sizes.

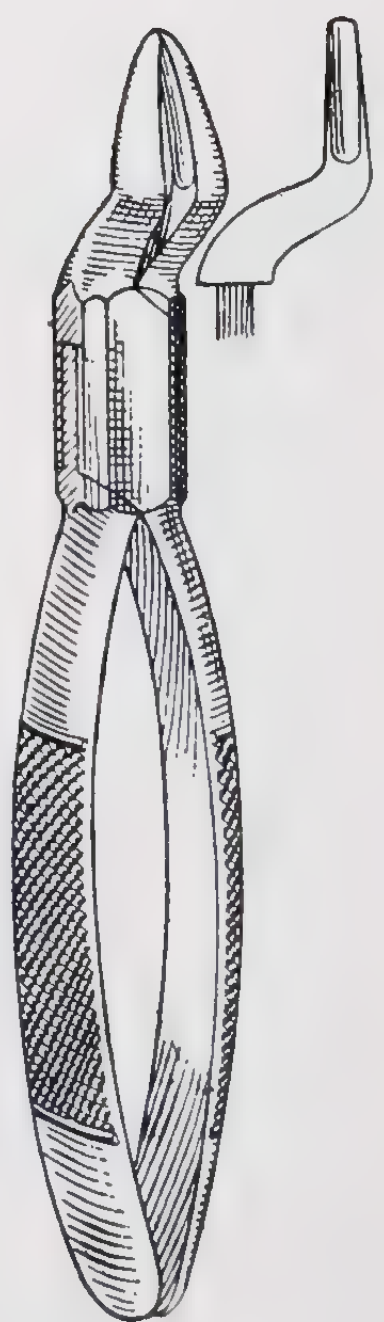


Dental Forceps

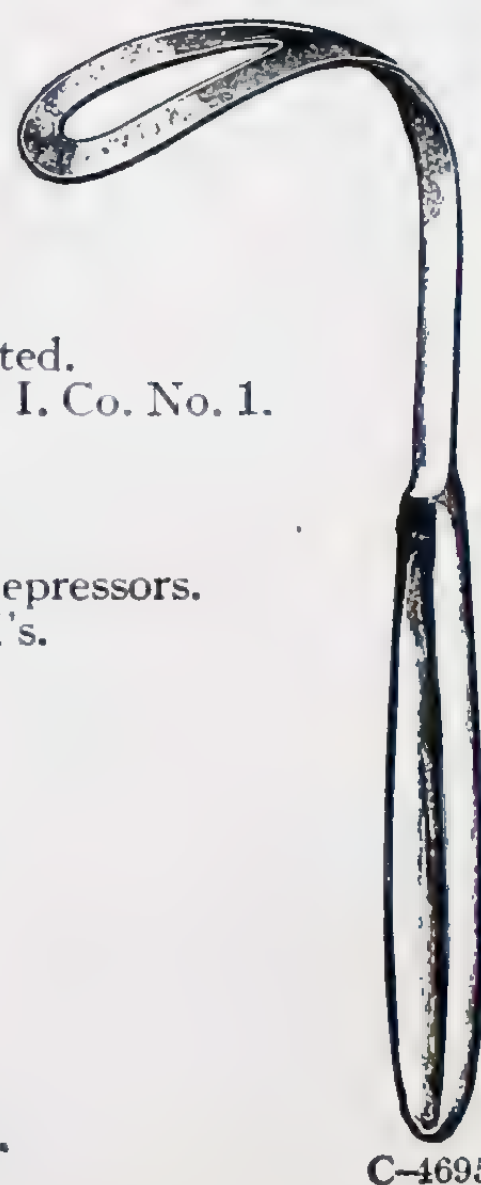
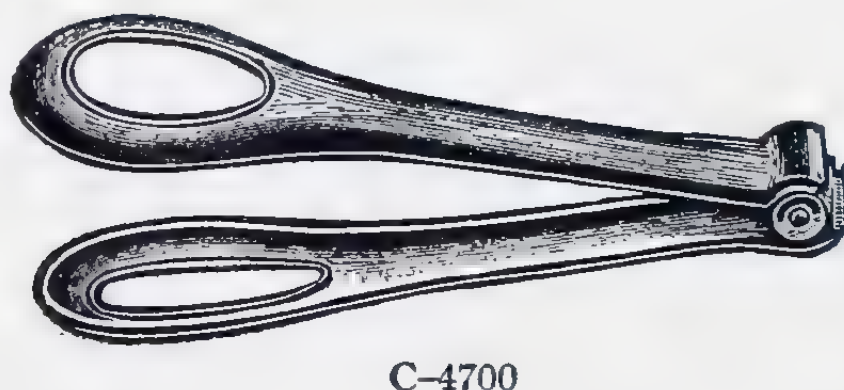
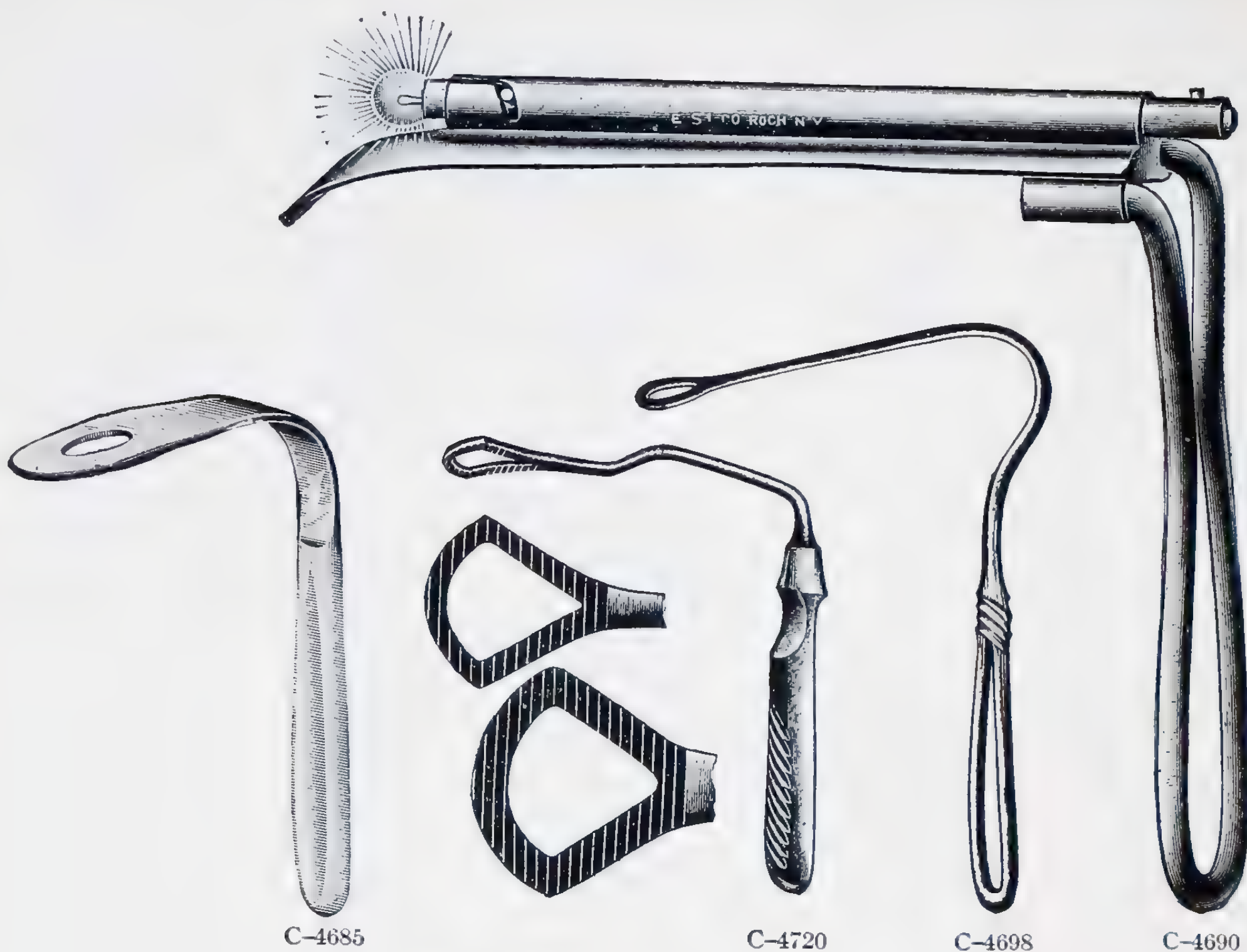


C-4665

- *C-4650 Incisor Forceps, curved, lower, No. 14.
- *C-4651 Incisor Forceps, upper, No. 13.
- *C-4652 Molar Forceps, upper or universal, No. 8.
- C-4653 Molar Forceps, upper or universal, curved handles, No. 24.
- C-4654 Molar Forceps, upper, right, No. 18 R.
- *C-4655 Molar Forceps, upper, left, No. 18 L.
- C-4656 Molar Forceps, lower, either side, beaked jaw, No. 17.
- C-4657 Molar Forceps, lower, either side, plain jaw, No. 27.
- *C-4658 Molar Forceps, lower, right, No. 28 R.
- *C-4659 Molar Forceps, lower, left, No. 28 L.
- *C-4660 Root Extractors or Elevators, ebony handle, 12 styles.
- *C-4661 Root Extractors or Elevators, metal handle, 12 styles.
- C-4662 Root Forceps, straight, No. 1.
- *C-4663 Root Forceps, half curved, upper, No. 2.
- *C-4664 Root Forceps, full curved, lower, No. 3.
- C-4665 Root Forceps, upper, universal, No. 7.
- C-4666 Root Forceps, upper back, bayonet, No. 35



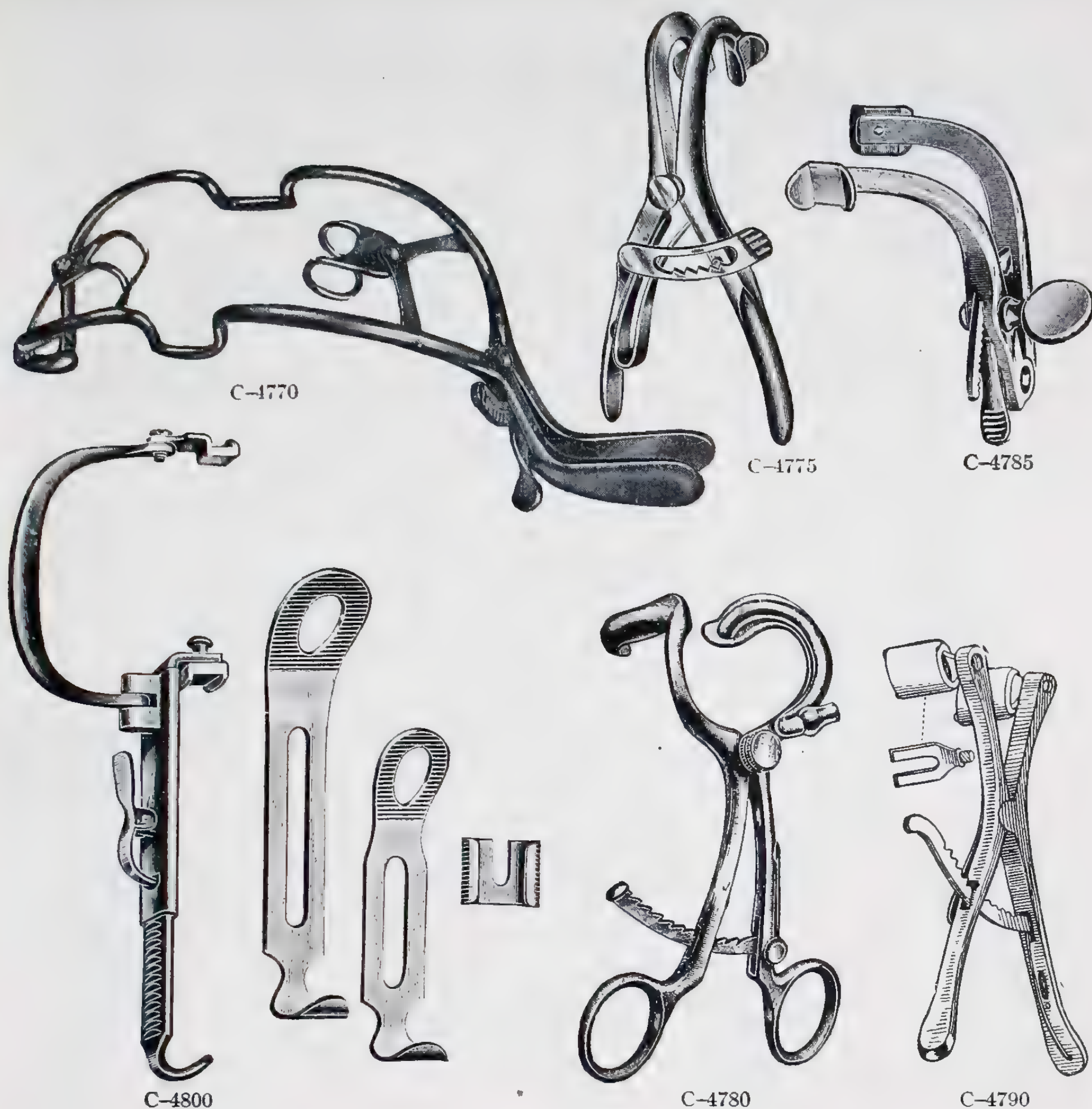
C-4666



Oral Instruments

Tongue Depressors

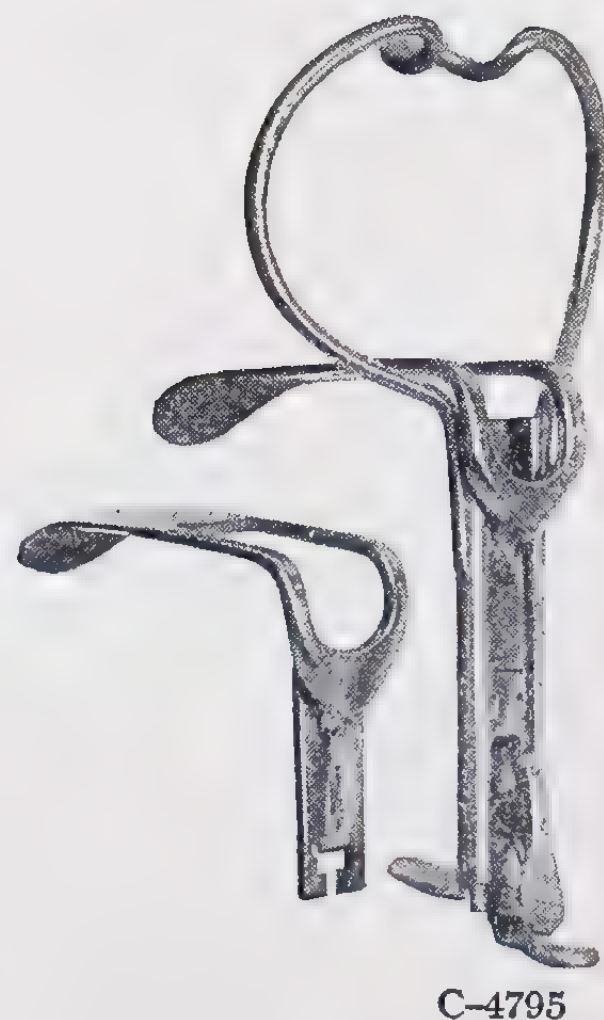
- *C-4680 Andrew's, steel.
- C-4685 Bosworth's.
- C-4690 E. S. I. Co., electrically lighted.
- *C-4691 Extra lamps for above. E. S. I. Co. No. 1.
- C-4695 Farlow's, forged steel.
- C-4698 Fraenkel's.
- C-4700 Folding, double fenestrated.
- *C-4705 Haslam's handle for wood depressors.
- C-4710 Hamilton's, adult and child's.
- *C-4715 Jackson's.
- *C-4718 Kyle's.
- C-4720 Layman's, 2 sizes.
- *C-4725 Pierce's, steel.
- *C-4730 Pynchon-Andrews', latest.
- *C-4735 Sass', plain.
- *C-4740 Sass', fenestrated.
- *C-4745 Sawyer's.
- *C-4750 Snowden's, folding.
- *C-4755 Wire, folding.
- *C-4760 Wood Depressors, 500 in box.



Throat Instruments

Mouth Gags (see also page 61)

- *C-4765 **Alter-Jenning's.**
- C-4770 **Dann-Jenning's**, with cheek retractors, 2 sizes.
- C-4775 **Denhardt's**, steel.
- *C-4776 **Denhardt's**, with anaesthesia tubes.
- C-4780 **Doyen's**, with anaesthesia tubes.
- *C-4781 **Doyen's**, plain.
- C-4785 **Ferguson's**, steel.
- *C-4786 **Ferguson-Gwathmey's**, with anaesthesia tubes.
- C-4790 **French's**, steel.
- C-4795 **Forgrave's**, new.
- C-4800 **Green-Martin's**, latest.

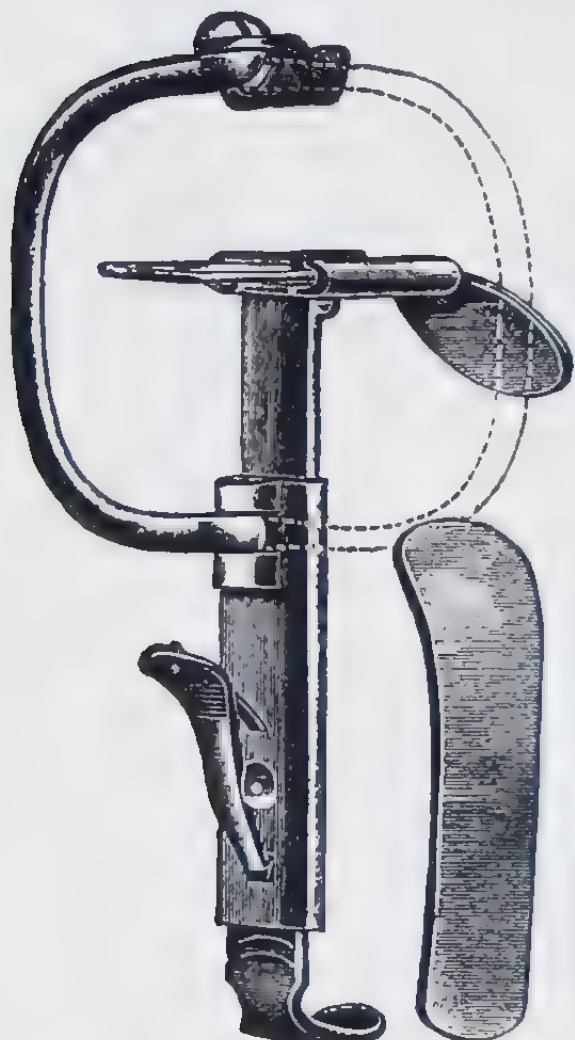




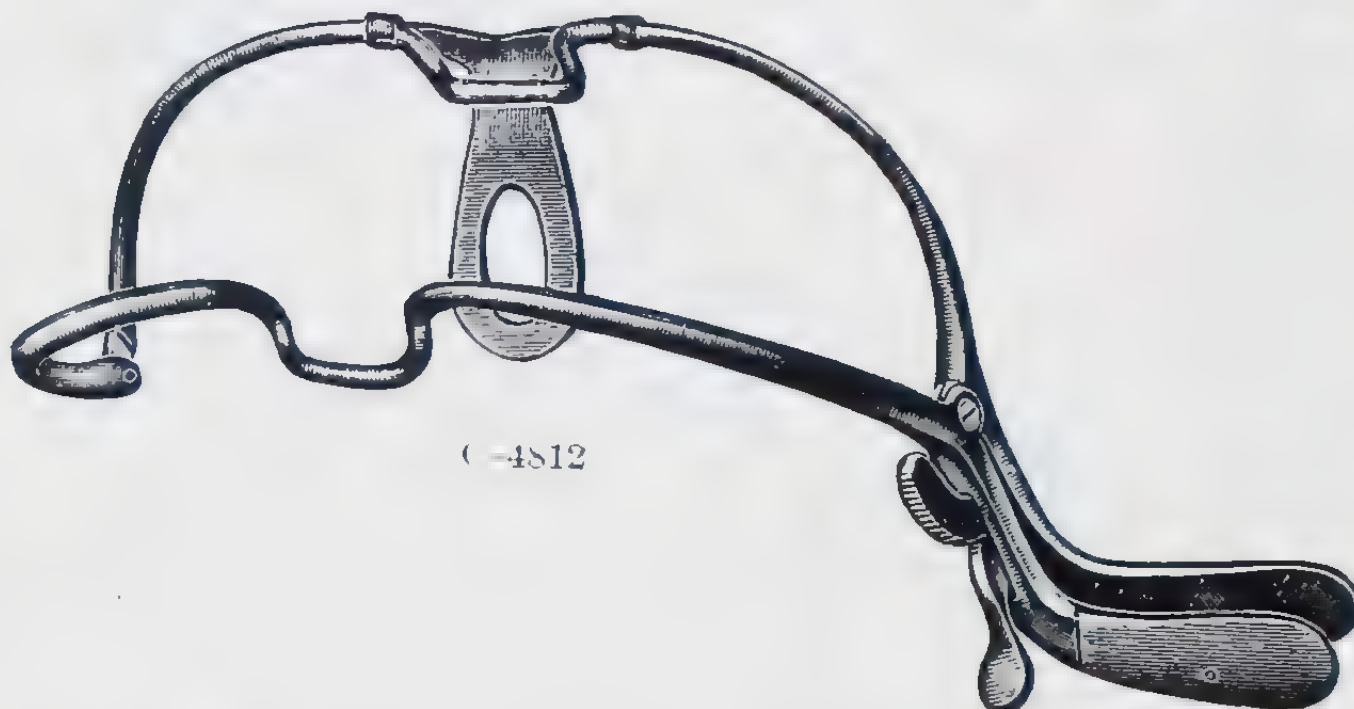
C-4820



C-4810



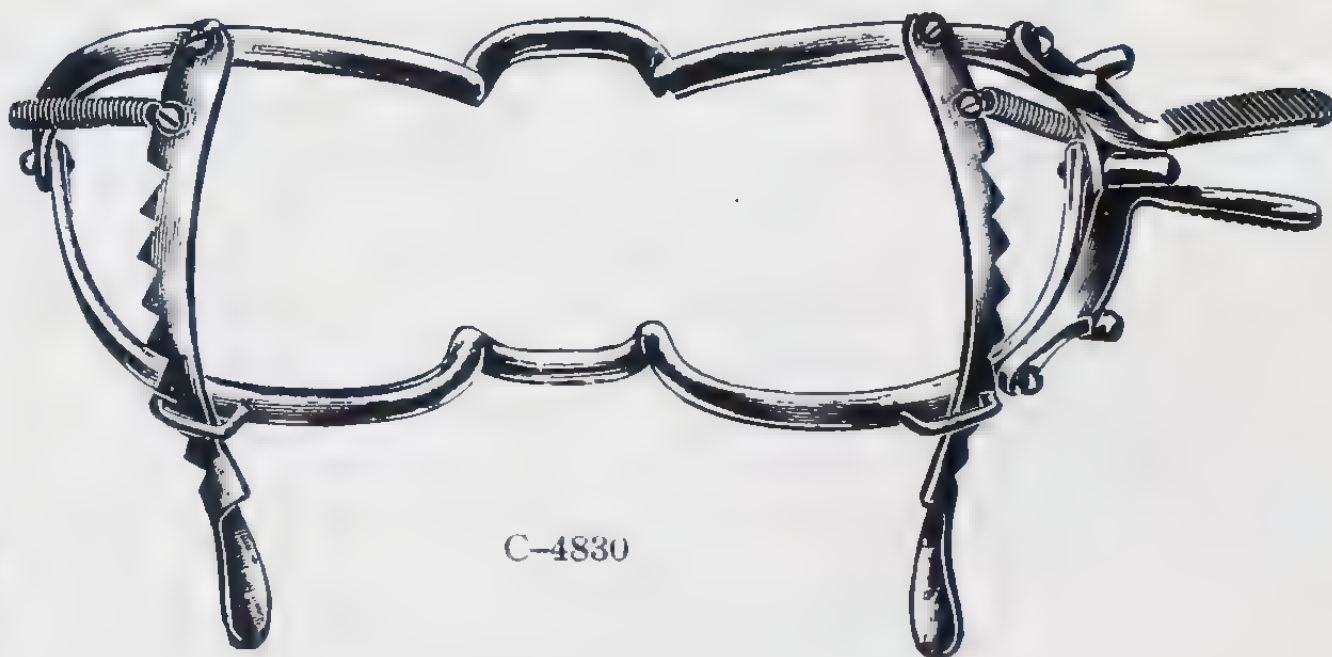
C-4805



C-4812



C-4825



C-4830

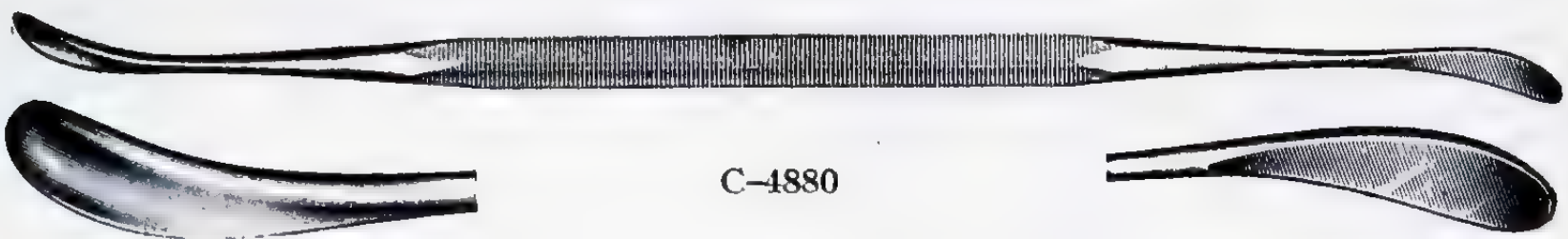
Throat Instruments

Mouth Gags (see also page 61)

- | | | | |
|---------|--|---------|--|
| C-4805 | Green-Sewall's , with two tongue depressors. | *C-4815 | Murdoch's , steel. |
| *C-4806 | Green-Sewall's , depressor with anaesthesia tube. | C-4820 | Oral screw, hard rubber. |
| C-4810 | Jenning's , 2 sizes. | C-4825 | Stubb's , steel. |
| *C-4811 | Jenning's , with anaesthesia tube, 2 sizes. | C-4830 | Whitehead's , plain, 2 sizes. |
| C-4812 | Jenning's , with tongue depressor, 2 sizes. | *C-4831 | Whitehead's , with tongue depressor, 2 sizes. |
| | | *C-4832 | Whitehead's , with handles at both ends. |

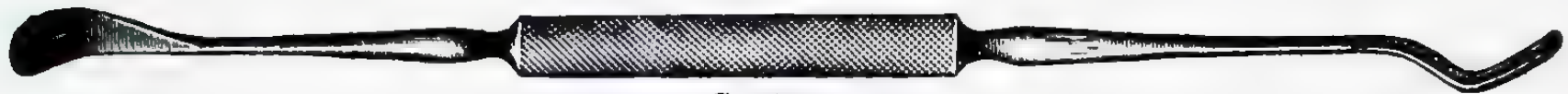
Uvula Retractors and Scissors

- | | | | |
|---------|--------------------------|---------|--|
| *C-4840 | Hind's Retractor. | *C-4850 | White's Self-retaining Retractor. |
| *C-4845 | Roe's Retractor. | *C-4855 | Wood's Uvula Scissors. |



C-4880

2/5



C-4885



C-4950



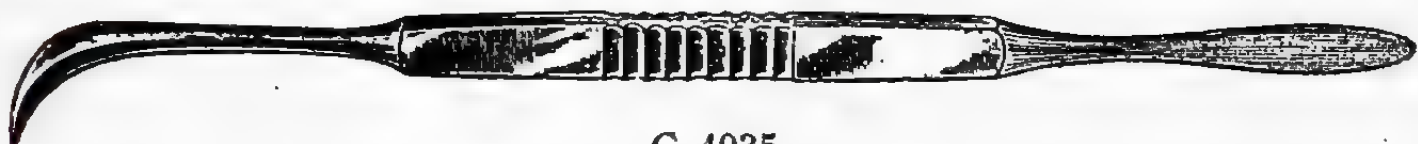
C-4875



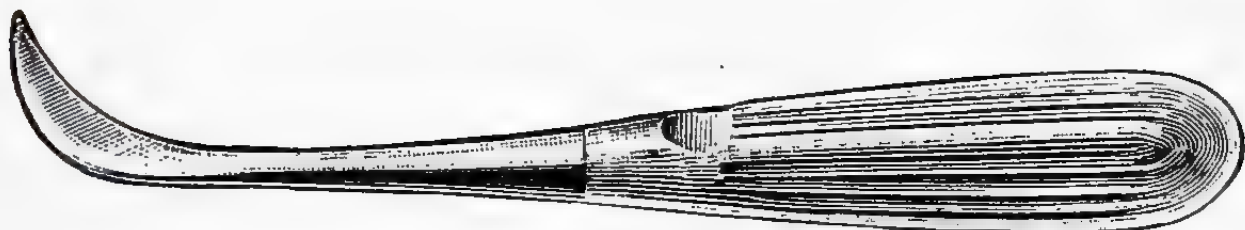
C-4910



C-4925



C-4935



C-4955-4956

Tonsil Curettes

- *C-4870 Abraham's.
- *C-4875 Meierhof's.

Tonsil Dissectors

- C-4880 Allerdyce's, double ended.
- C-4885 Carpenter's, double ended, latest model.
- *C-4890 Cullom's, double ended, right and left.
- *C-4895 Dickinson's, dissector.
- *C-4900 Freer's, pillar separator.
- C-4905 Harris', dissector and knife.
- C-4910 Hurd's, dissector and pillar retractor.
- *C-4915 Lynch's, dissector.
- *C-4920 Martin's, double ended, blades serrated on one side.
- C-4925 McWhinnie's, dissector and spoon.
- C-4930 Millette's, dissector and knife.
- C-4935 Smith's, double ended.
- *C-4940 Tivnen's, dissector and enucleator.
- *C-4945 Todd's, dissector.
- C-4950 Winkler's, enucleator.
- C-4955 Yankauer's, large.
- C-4956 Yankauer's, small.

C-4930

C-4905



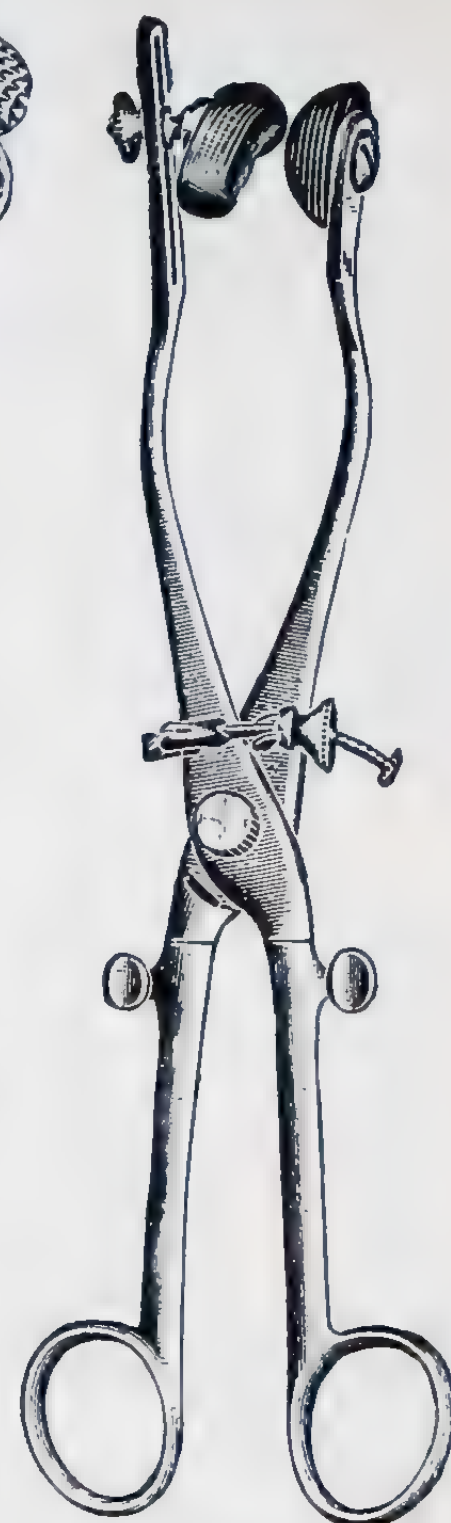
C-4975



C-4980



C-5000



C-4995



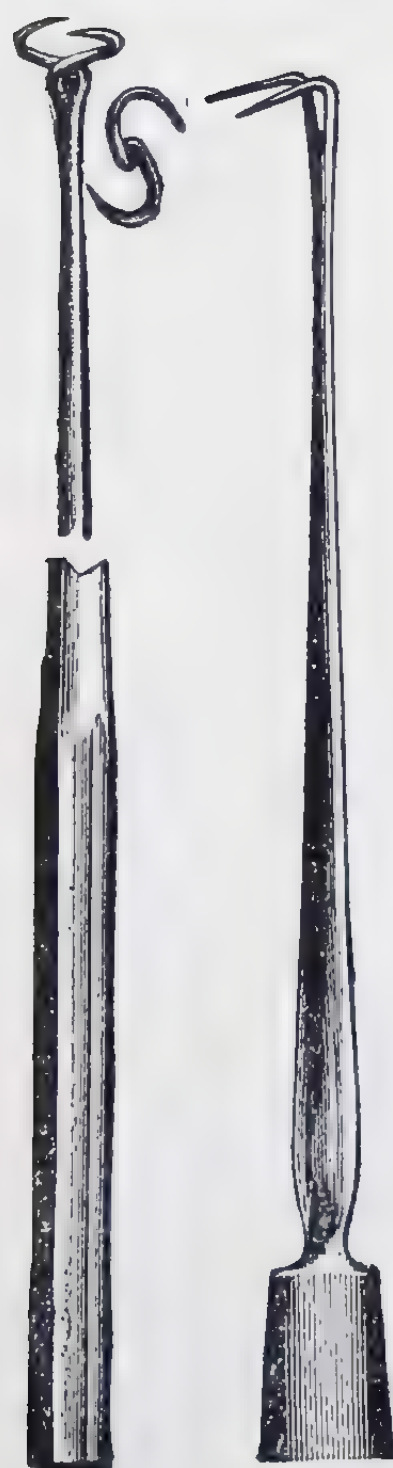
C-5015

Tonsil Haemostats

- *C-4970 **Beck's**, with inner blade arranged to hold gauze pad.
- C-4975 **Boettcher's**.
- C-4980 **Corwin's**, with spring clamps to hold gauze pad.
- *C-4985 **Cullom's**, with clamp to hold gauze pad on inner blade.
- *C-4990 **Good's**, self-adjustable.
- C-4995 **Mickulicz-Stoerck's**.
- C-5000 **Tivnen's**, pad of aluminum.

Tonsil Hooks

- C-5005 **Boettcher's**, double.
- C-5010 **Carter's**, tenaculum.
- C-5015 **Dickinson's**, retractor.
- *C-5020 **Dickinson's**, tenaculum, 3 prong.
- *C-5025 **Jackson's**, slitter.
- *C-5030 **Lewis's**, screw.
- *C-5035 **Pierce's**, tonsil hook.
- *C-5040 Plain, single, sharp.
- *C-5045 Plain, single, blunt.
- *C-5046 Plain, double, sharp.
- *C-5050 **Pond's**, dissecting.
- C-5055 **Schmidt's**, splitter, bent on flat.
- C-5056 **Schmidt's**, splitter, bent on edge.



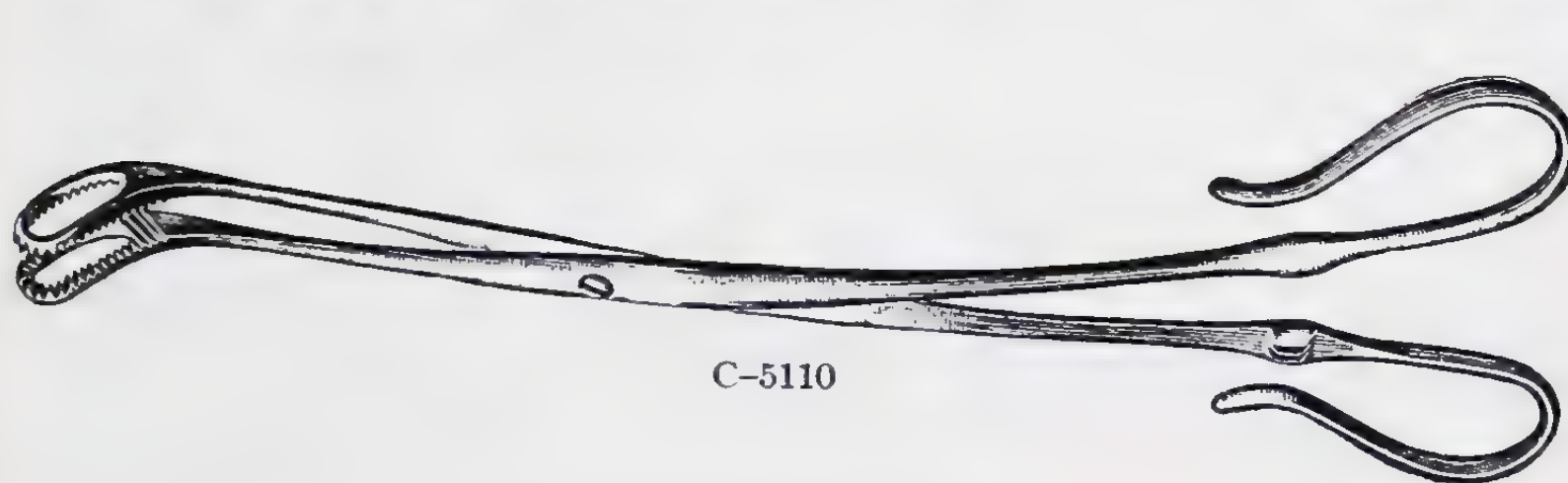
C-5010

C-5005



C-5055

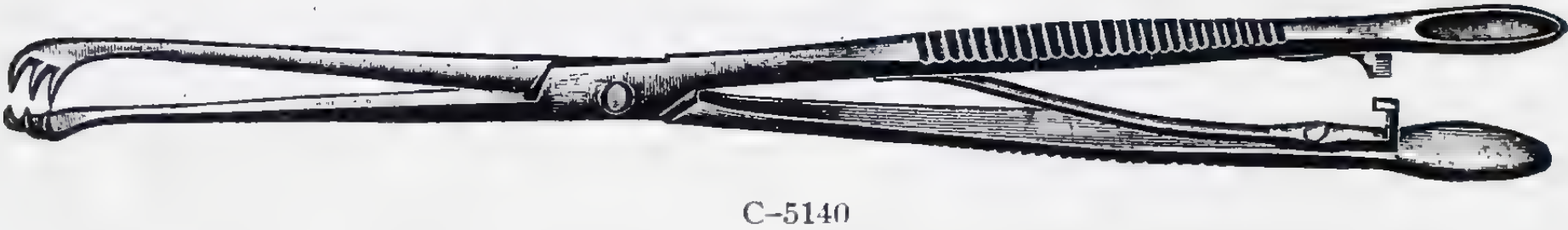
C-5056



Tonsil Forceps

- *C-5070 Abraham's.
- *C-5075 Andrews', 2 closed rings.
- C-5076 Andrews', 1 open ring.
- *C-5080 Ballenger's, 2 closed rings.
- C-5081 Ballenger's, 1 open ring.
- *C-5085 Casselberry's, 1 open ring.
- *C-5090 Cullom's.
- C-5095 Eve's.
- C-5105 Lynch's, 2 open rings.
- C-5110 Royce's, seizing.
- *C-5111 Royce's, haemostat and sponge holding.
- C-5100 Kean's, new.





Tonsil Forceps

- C-5115 Lerche's.
- C-5120 Moraweck's, angular.
- *C-5125 Pynchon's, spring handles.
- C-5130 Richard's.
- C-5135 Robertson's.
- C-5140 Swan's.
- C-5145 Todd's.
- C-5150 White's.
- C-5155 Yankauer's.

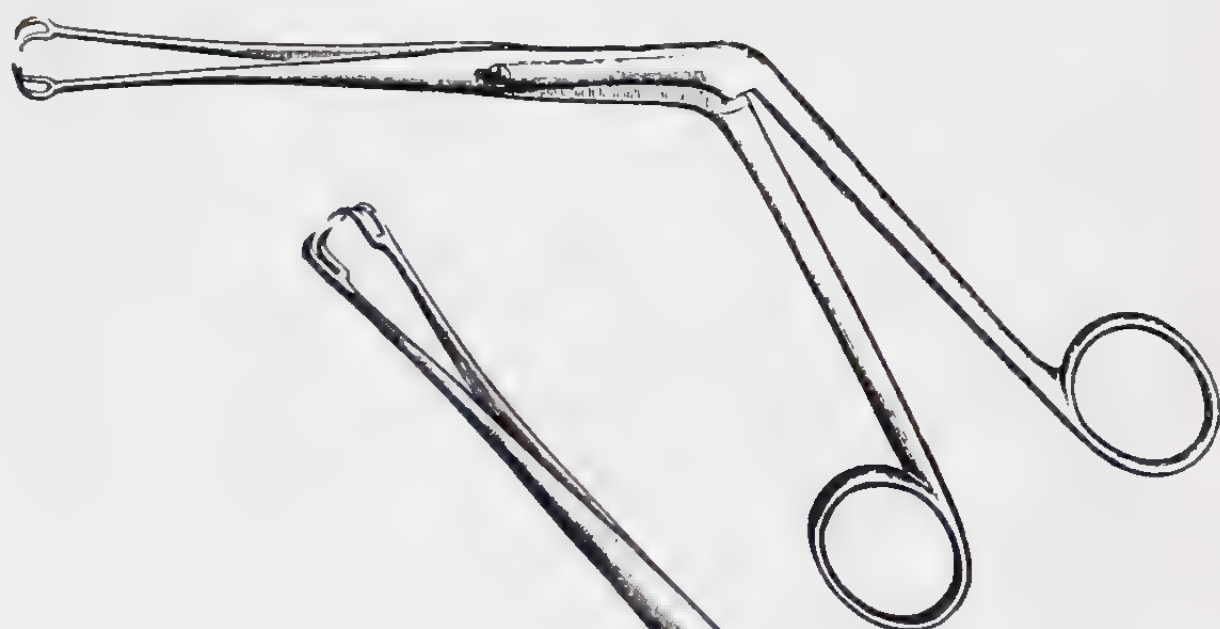


C-5160

C-5185

C-5180

C-5175

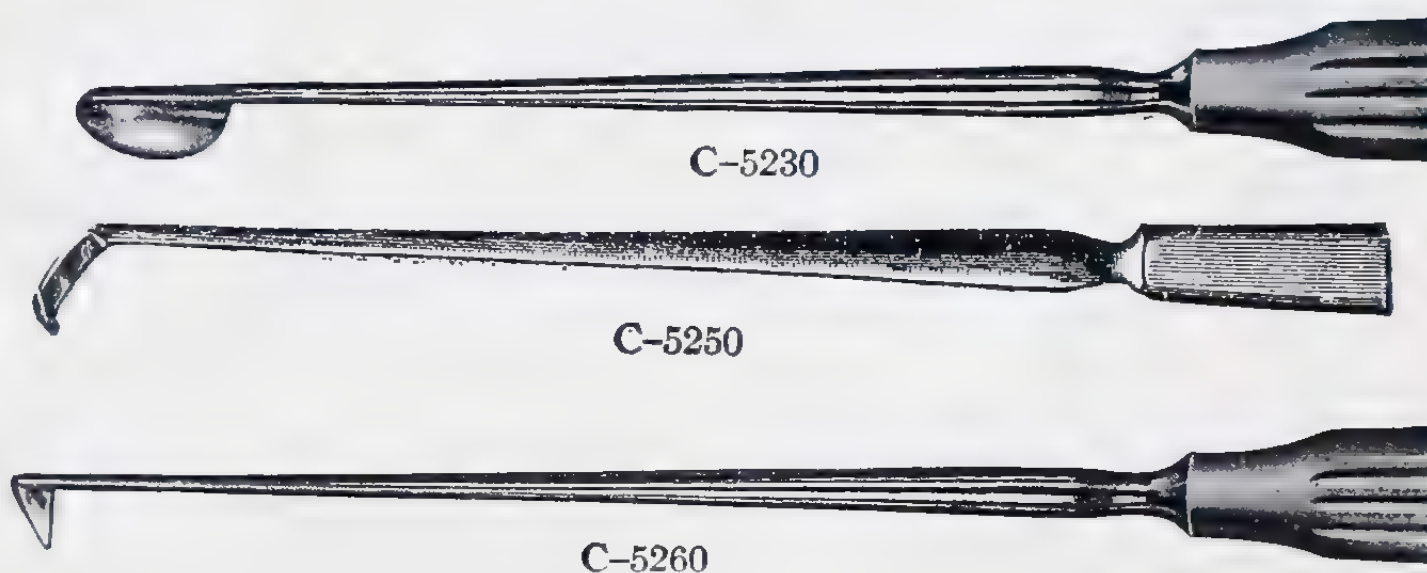


C-5195

C-5201

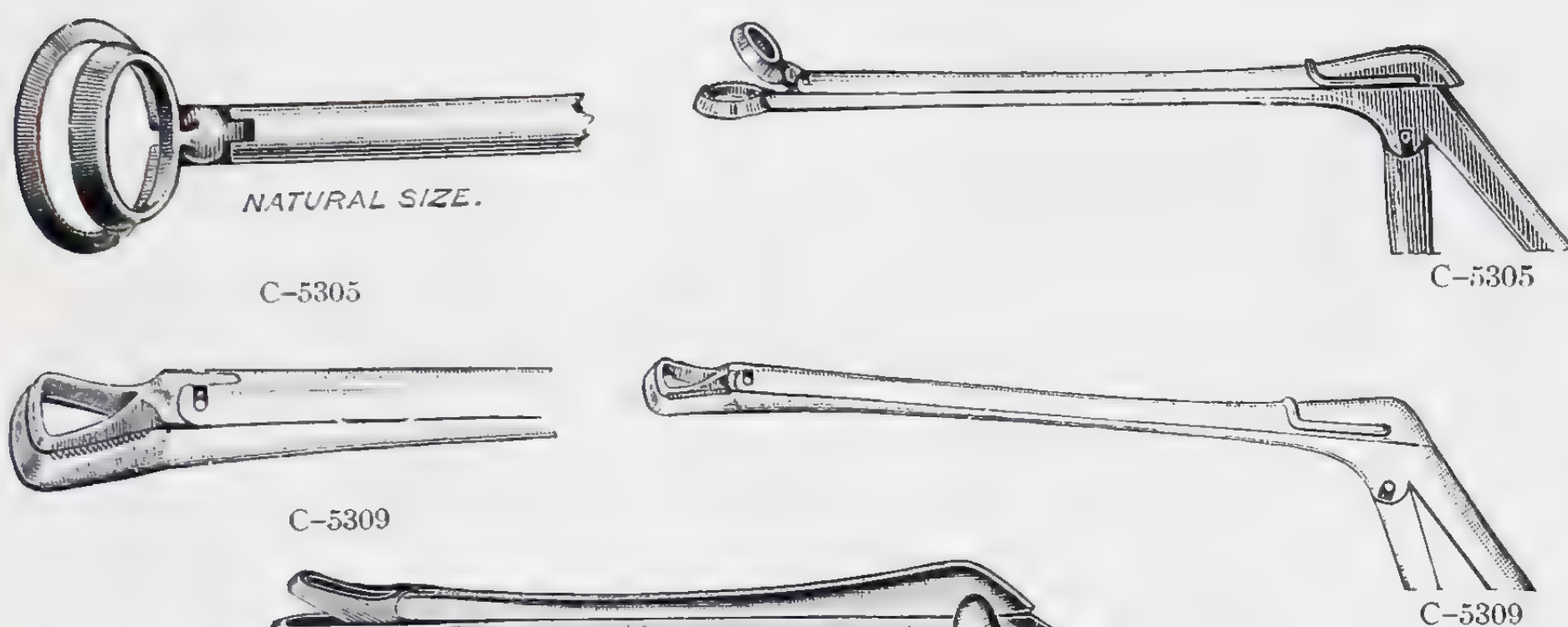
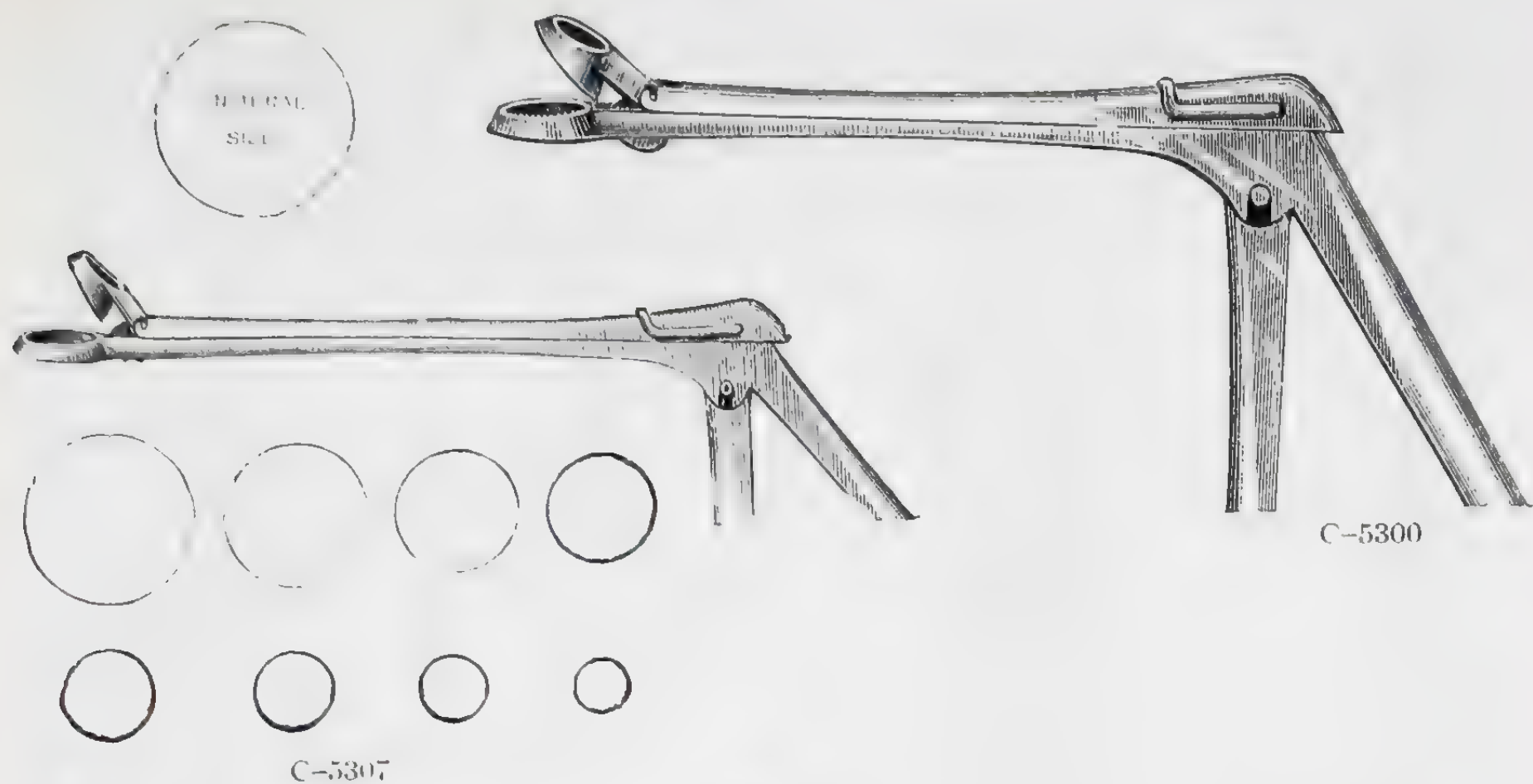
Tonsil Forceps

- C-5160 **Ballenger's**, sponge holding, 7 inches.
- *C-5165 **Boettcher's**, angular, seizing.
- *C-5170 **Howe's**, tonsil haemostat.
- C-5175 **Mickulicz-Pierce's** tonsil haemostat or seizing.
- C-5180 **Sawtelle's** tonsil haemostat.
- C-5185 **Schnidt's**, tonsil haemostat.
- *C-5190 **Tivnen's**, tonsil seizing.
- C-5195 **Tyding's**, tonsil seizing.
- *C-5200 **Watson's**, tonsil seizing, with catch.
- C-5201 **Watson's**, tonsil seizing, without catch.



Tonsil Knives

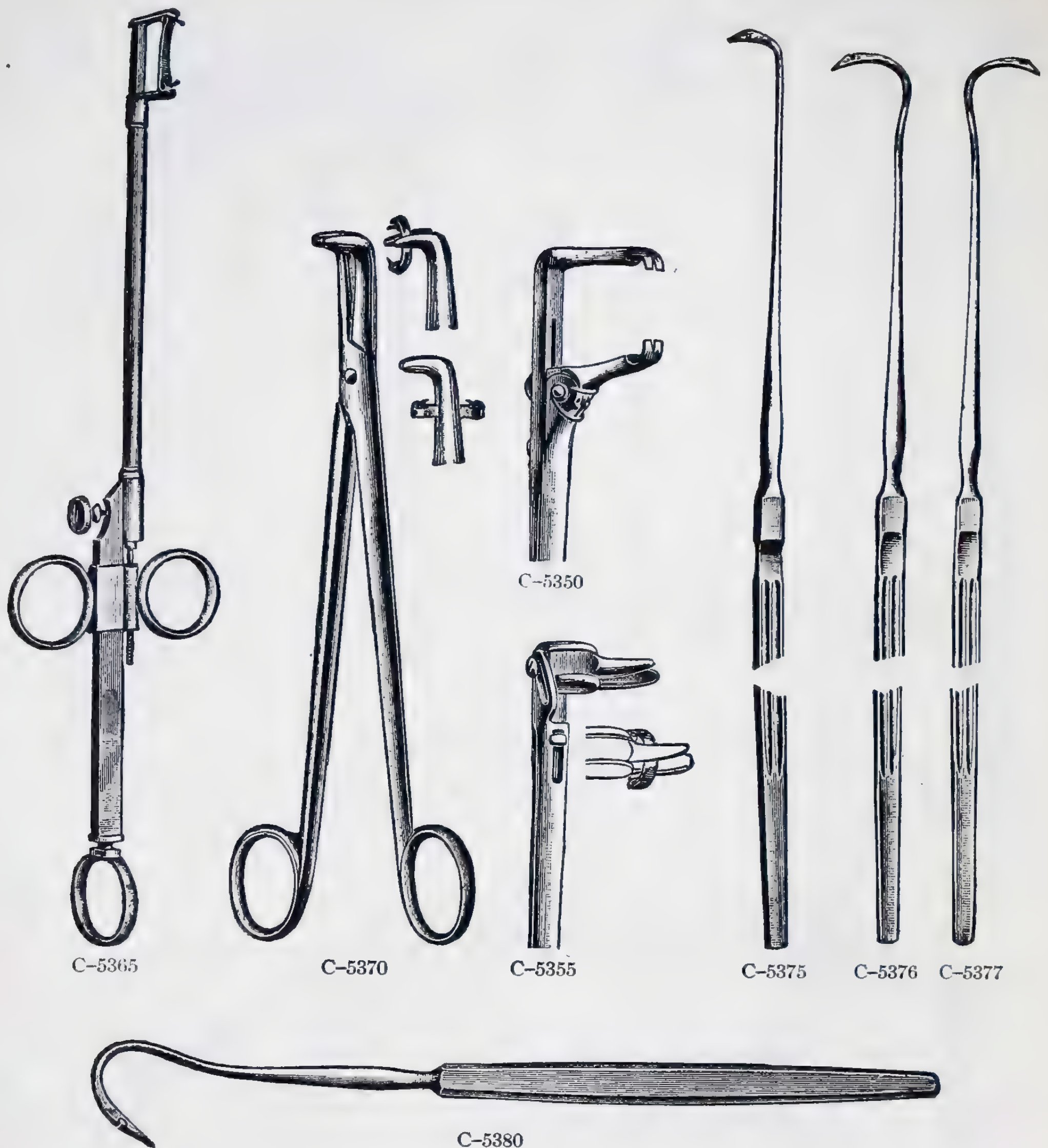
- C-5220 Abraham's.
- C-5221 Abraham's, curved, double edge.
- *C-5225 Allport's, curved, single wave edge.
- C-5226 Allport's, curved, triple wave edge.
- C-5227 Allport's, curved, quadruple wave edge.
- C-5230 Ballenger's, pillar, large and small.
- *C-5235 Beck's, scalpel.
- *C-5240 Bistoury, curved, probe pointed.
- *C-5245 Dean's, straight, double edge.
- C-5246 Dean's, angled on flat, double edge.
- C-5250 Douglass'.
- C-5255 Freer's, curved, right and left.
- *C-5256 Freer's, pillar, angled on flat, large, 9½ inches long.
- *C-5257 Freer's, pillar, angled on flat, narrow.
- C-5260 Kyle's, crypta.
- C-5265 Lothrop's, double.
- C-5270 Leland's, right and left.
- C-5275 Pierce's, dissecting, curved, small and large.
- C-5280 Robertson's, curved, double edge.
- C-5285 Swan's, right angled, wave edge.
- *C-5286 Swan's, curved, wave edge.
- C-5290 Tyding's, curved on edge.



Tonsil Punches

- C-5300 **Farlow's**, heavy.
- C-5305 **Hartmann's**, oval, ring handles.
- *C-5306 **Hartmann's**, oval, stem only for universal handle.
- C-5307 **Hartmann's**, round, ring handles, 8 sizes.
- *C-5308 **Hartmann's**, round, stem only for universal handle, 9, 11 and 13 mm.
- C-5309 **Hartmann's**, triangular, ring handles.
- *C-5310 **Hartmann's**, triangular, stem only for universal handle.
- C-5315 **Myles'**, straight, ring handles.
- *C-5316 **Myles'**, straight, stem only for universal handle.
- *C-5317 **Myles'**, right and left, ring handles.
- *C-5318 **Myles'**, right and left, stem only for universal handle.
- *C-5320 **Rhodes'**.
- *C-5325 **Robert's**, latest, with claws, small and large.
- *C-5326 **Robert's**, latest, with claws, stem only for universal handle, large and small.
- *C-5330 **Rualt's**, with large blade cutting up or cutting down.
- *C-5335 Universal handle to fit above stems.

C-5315



Tonsil Suture Instruments

- C-5350 Applicator, for applying **Michel's** sutures.
- C-5355 Remover, for removing **Michel's** sutures.
- *C-5360 Universal Handle, fitting above blades.
- C-5365 Applicator, **Wagner's**, for applying **Michel's** sutures.
- C-5370 Forceps, **Wagner's**, for removing **Michel's** sutures.
- C-5375 Needle, **Durham's**, right angled.
- C-5376 Needle, **Durham's**, curved to right.
- C-5377 Needle, **Durham's**, curved to left.
- C-5380 Needles, **MacCuen Smith's**.
- *C-5385 Needles, **McReynold's**, full curved.
- *C-5386 Needle Holder, **McReynold's**.



C-5400



C-5405



C-5415



C-5430

Tonsil Scissors

- C-5400 Boetcher's, curved on flat.
- *C-5402 Craig's.
- C-5405 Dean's.
- *C-5410 Good's, latest serrated handles.
- C-5415 Griffin's, curved on flat, correct model.
- *C-5420 Kirkpatrick's, curved to right, serrated edge.
- *C-5421 Kirkpatrick's, curved to left, serrated edge.
- *C-5425 Maclay's, latest.
- C-5430 Metzenbaum's, 7 inches.
- C-5440 Prince's, curved on flat.
- *C-5445 Robertson's, curved to right.
- *C-5446 Robertson's, curved to left.
- *C-5450 Windle's.
- C-5455 Yankauer's, curved on flat, serrated edge.

Tonsil Suction Apparatus

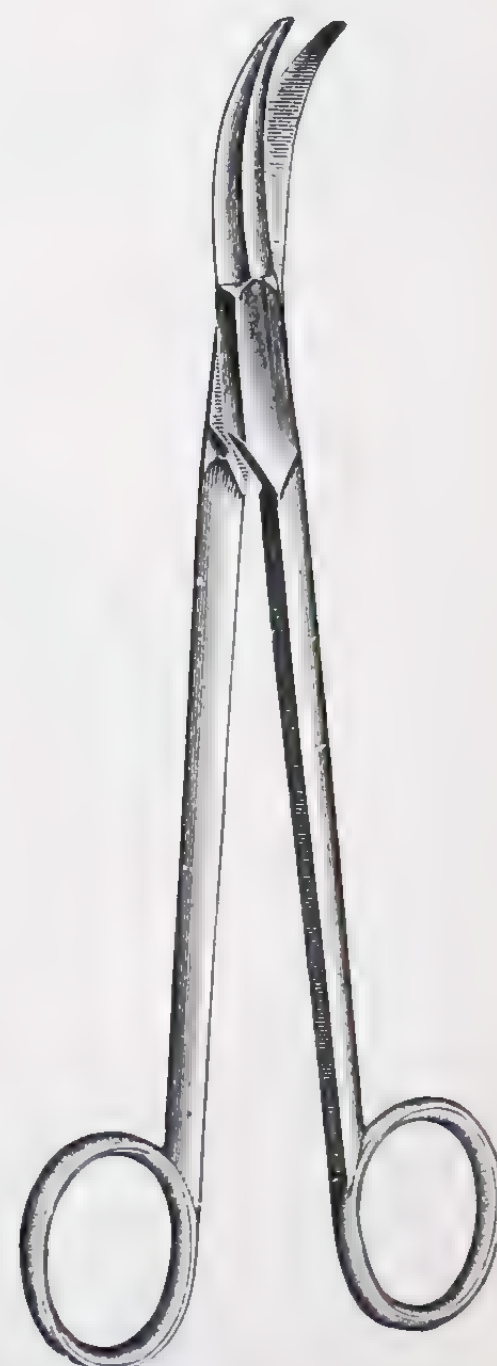
- *C-5465 Muck's.

Tonsil Syringes and Needles

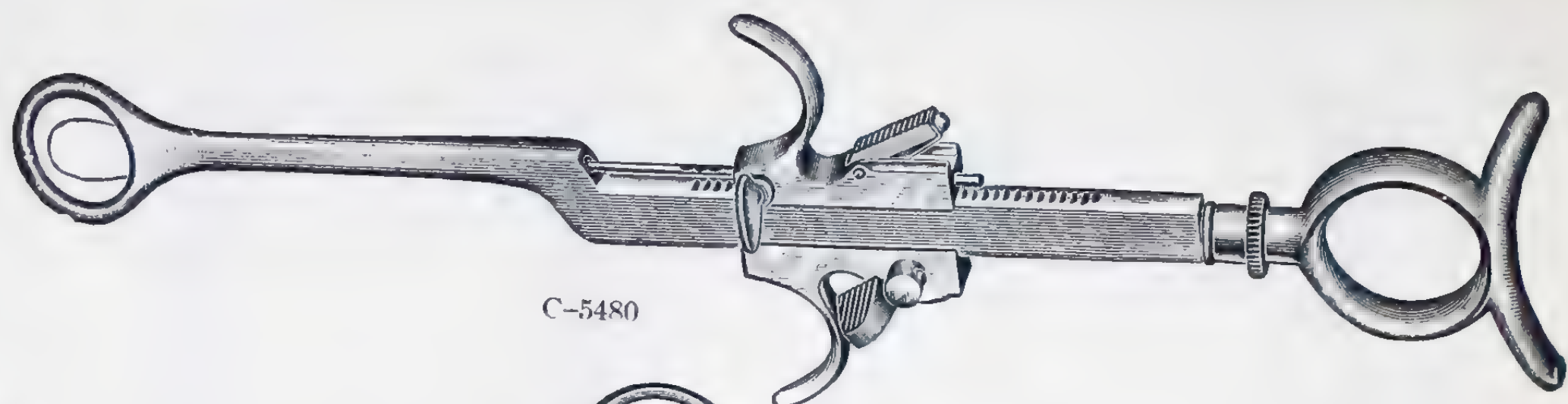
(See page 24)



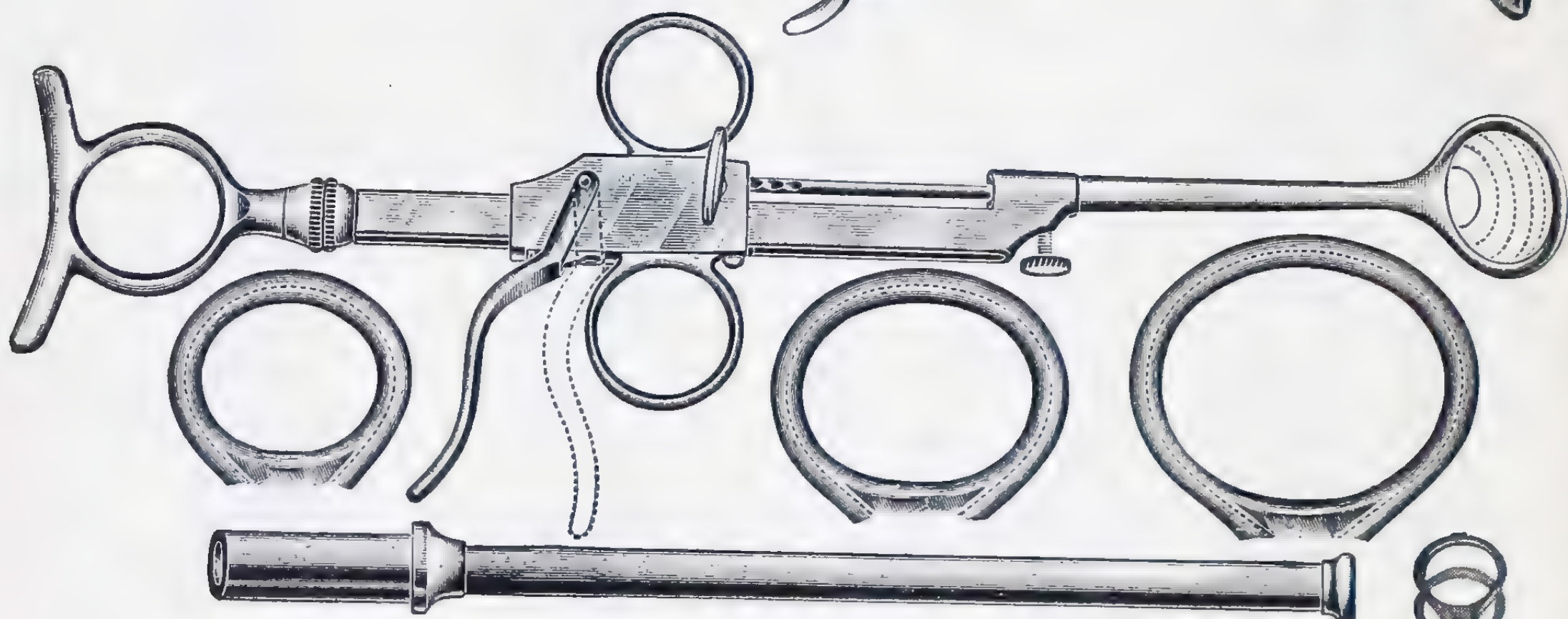
C-5455



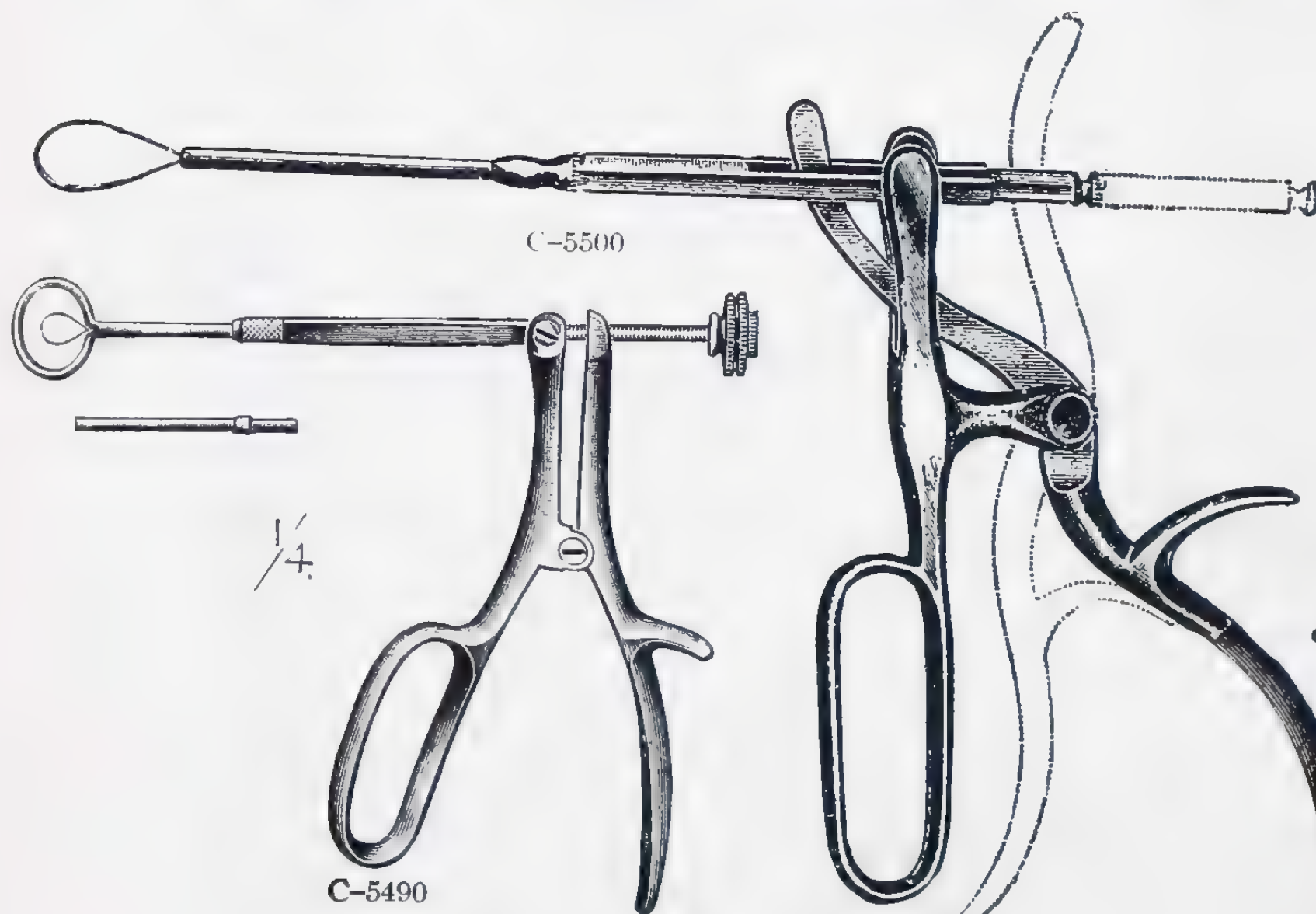
C-5440



C-5480



C-5485-5487



C-5500

C-5490

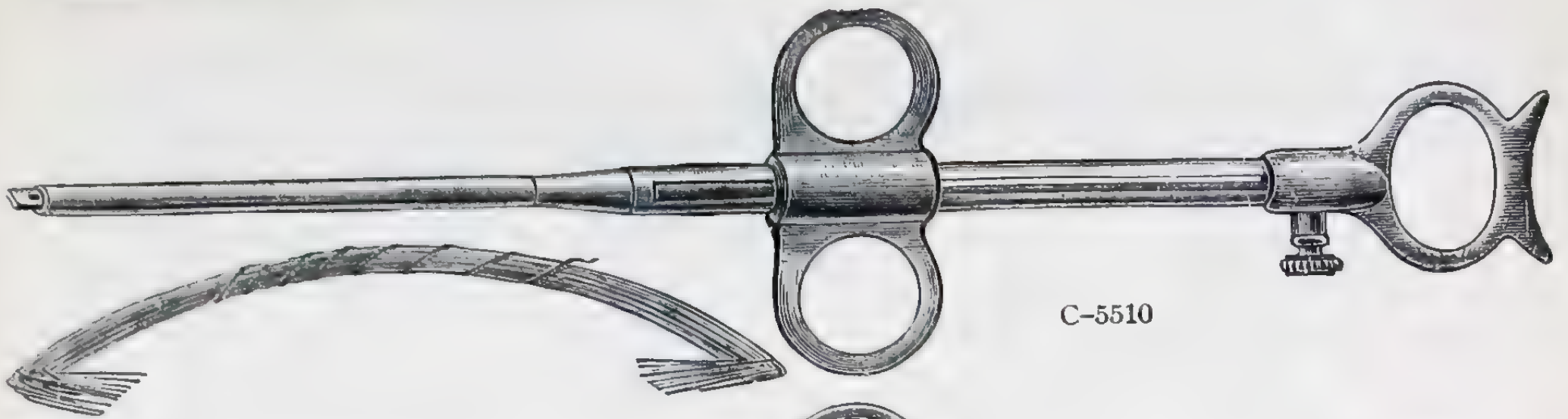


C-5495

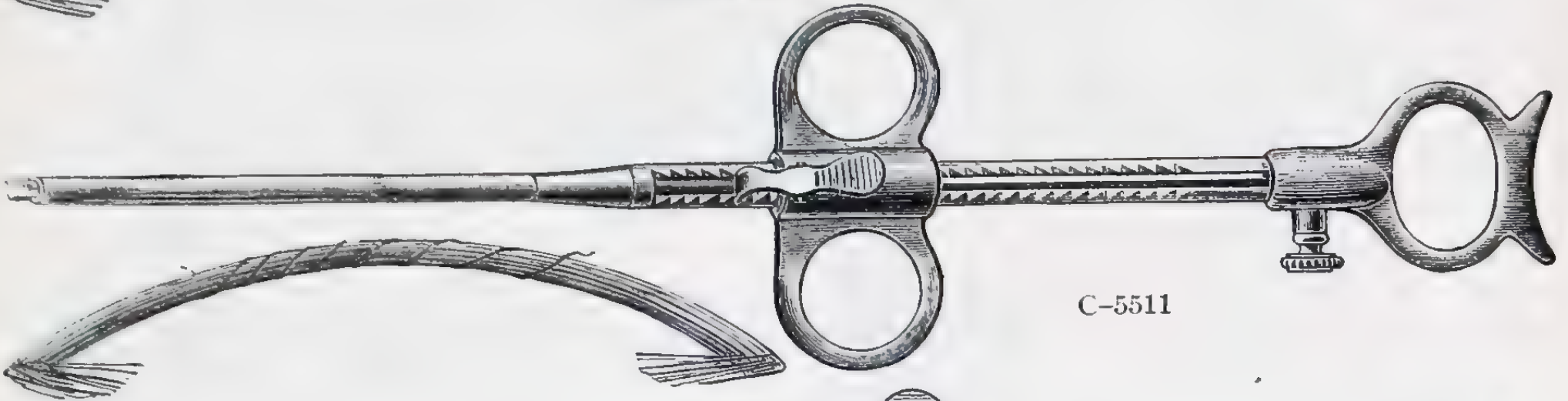
Tonsil Snares and Tonsilectomes

- C-5480 Beck's, original tonsilectome.
- C-5485 Beck-Schenck's, with 1 Vedder tip.
- C-5486 Beck-Schenck's, with 1 Vedder and 1 straight tip.
- C-5487 Beck-Schenck's, with 3 Vedder and 1 straight tip.
- C-5490 Brown's, with 1 Vedder and 1 straight tip.
- C-5495 Churchman-Beck's.
- C-5500 Tyding's Snare.

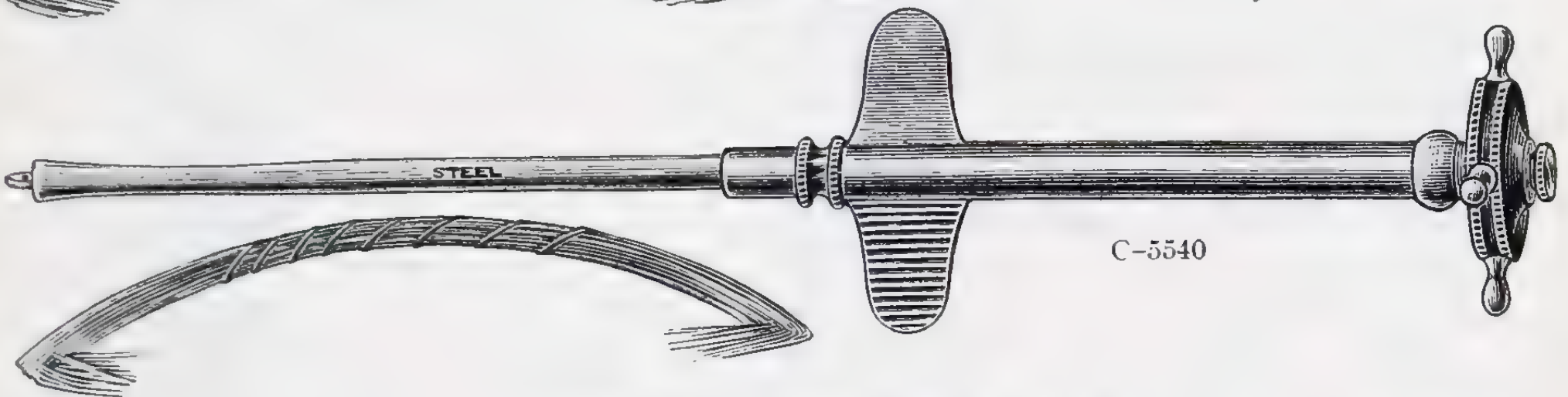
STANDARD SURGICAL INSTRUMENTS



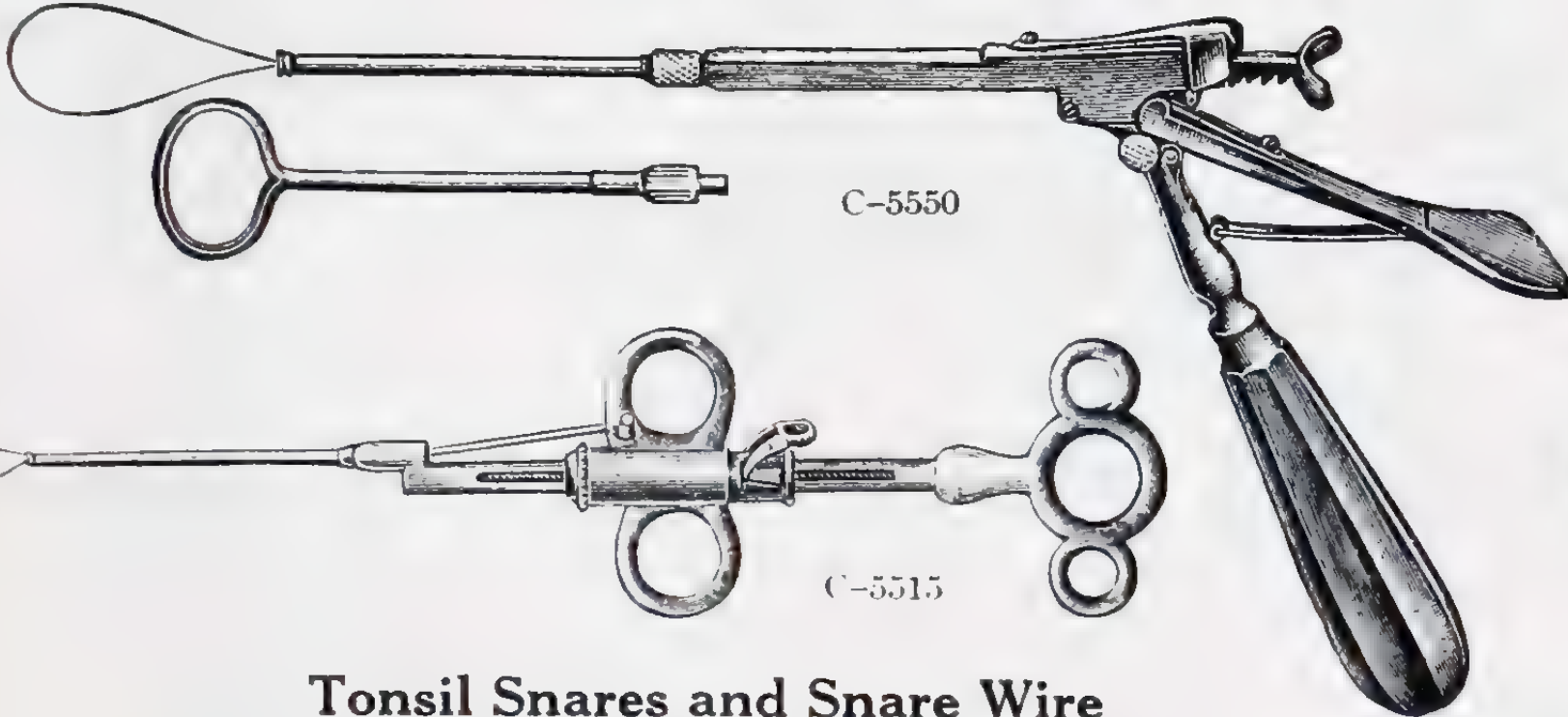
C-5510



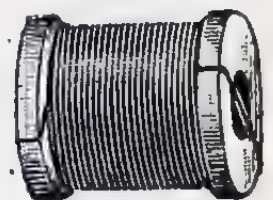
C-5511



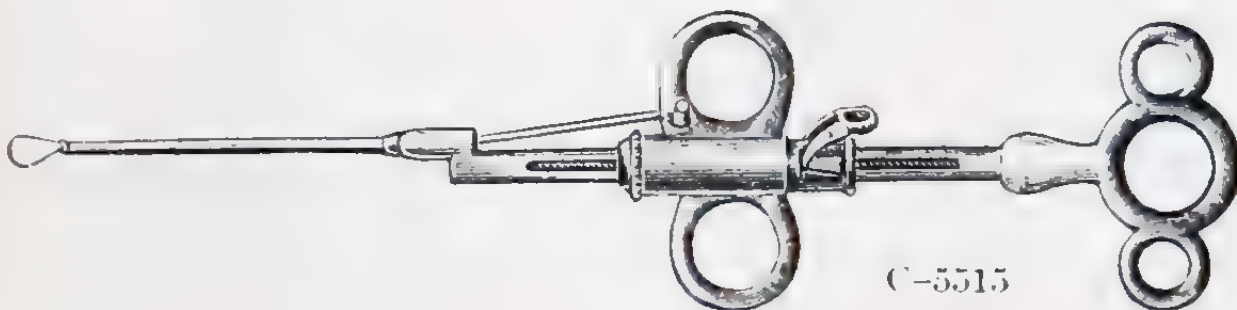
C-5540



C-5550



C-5556



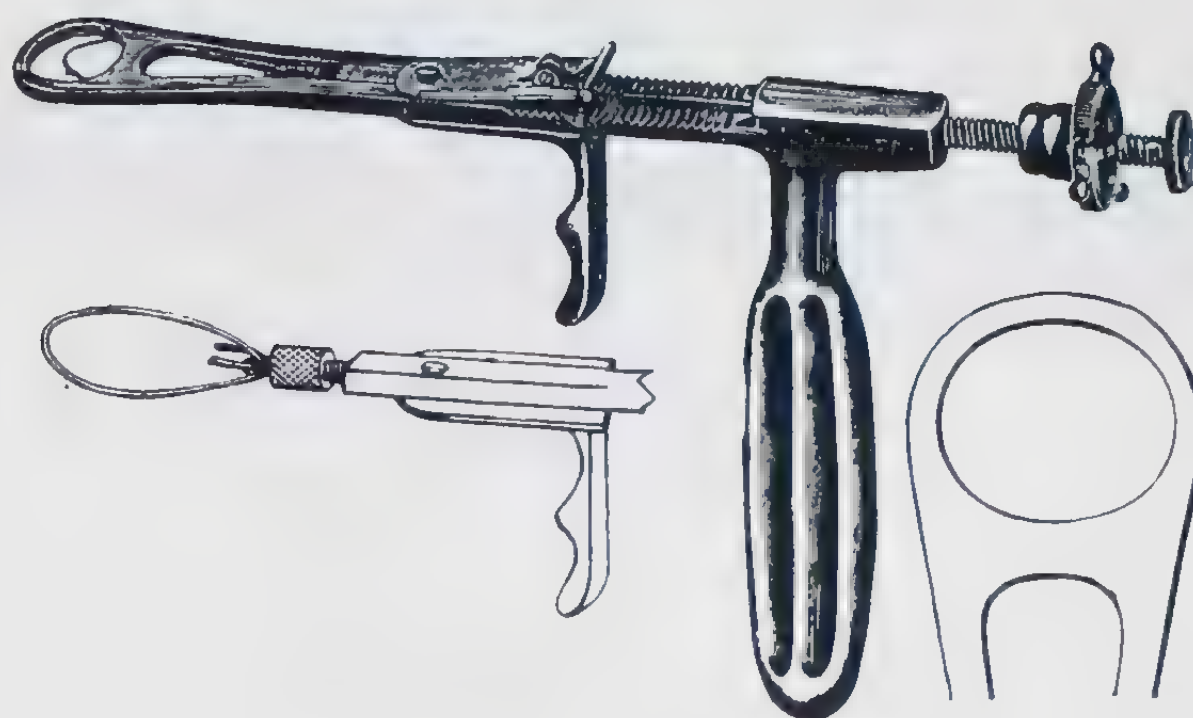
C-5515

Tonsil Snares and Snare Wire

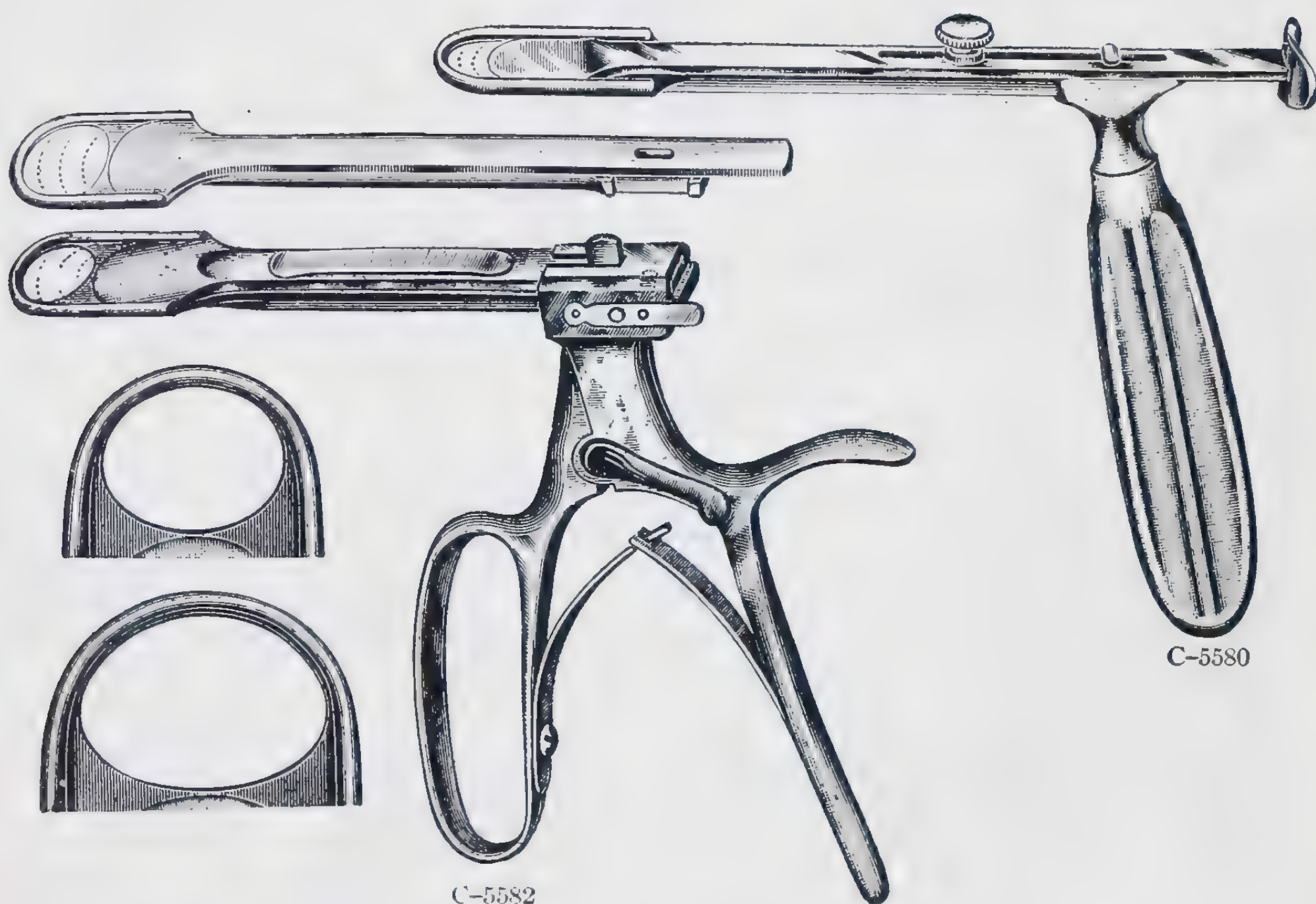
- C-5510 Eve's, with 12 wires.
- C-5511 Eve's, with ratchet, with 12 wires.
- *C-5512 Eve's, with Vedder tip, with 12 wires.
- C-5515 Farlow's, original model.
- *C-5520 Farlow-Boettcher's.
- *C-5525 Hill's.
- *C-5530 Lewis'.
- *C-5535 Sloane's.
- C-5540 Smith's.
- *C-5545 Watson's.
- C-5550 Wright's.
- C-5555 Snare Wires, shaped for stilette.
- C-5556 Snare Wire, on spool.
- *C-5557 Snare Wire, in $\frac{1}{4}$ pound coils, Nos. 5 to 8.
- *C-5558 Snare Wire Loops, Yankauer's twisted.
- *C-5559 Snare Wire Loops, twisted, for use without stilette.



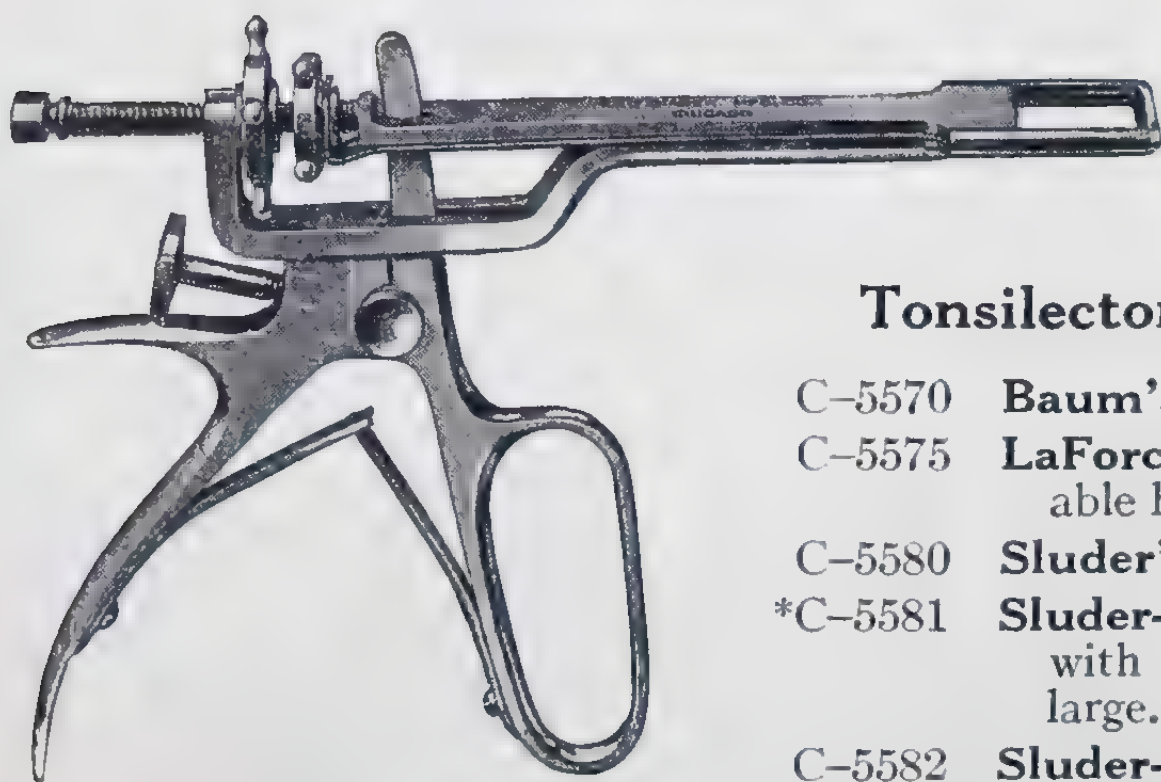
C-5555



C-5570



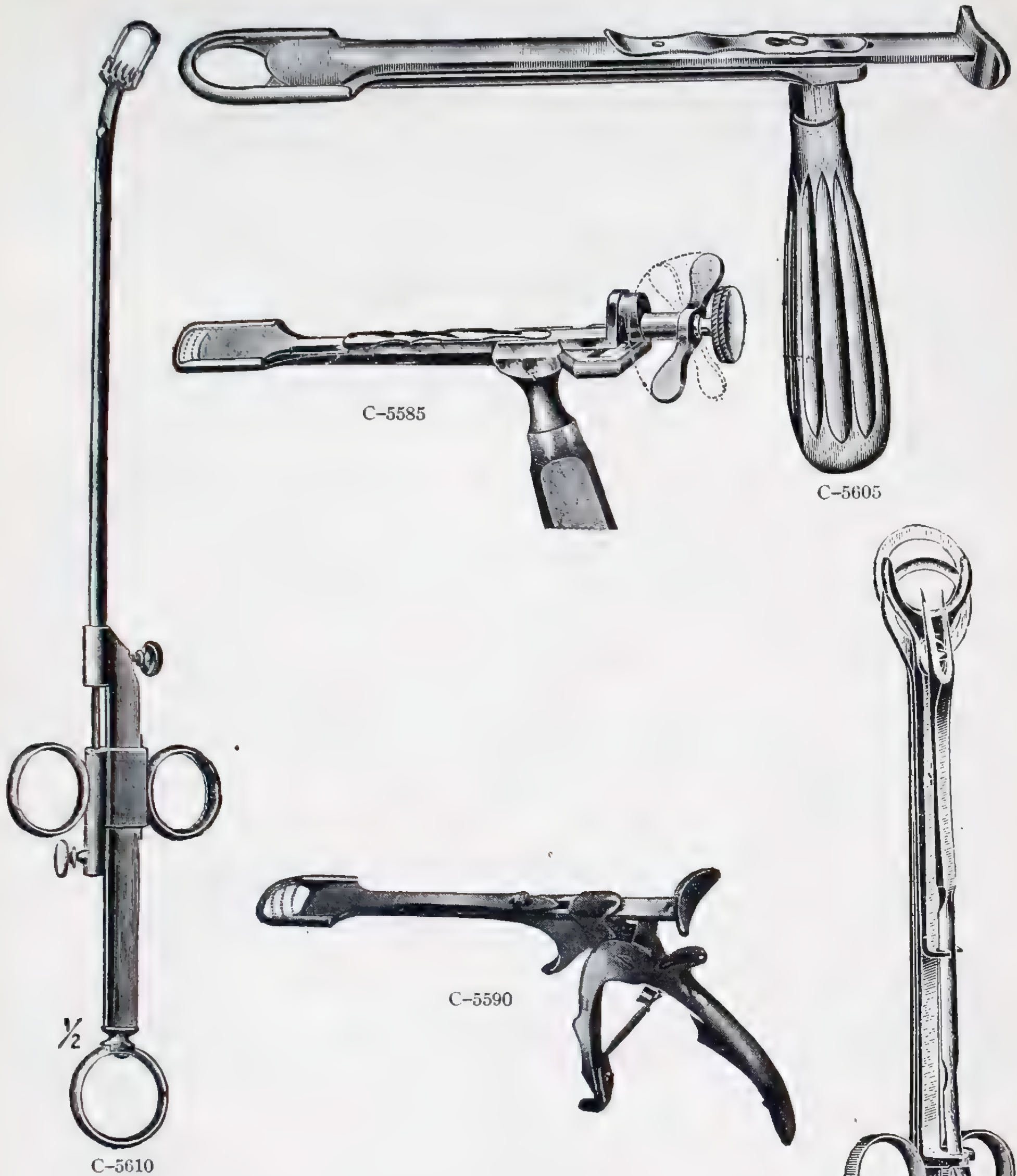
C-5580



C-5575

Tonsilectomes and Tonsil Guillotines

- C-5570 **Baum's** Tonsilectome, improved.
- C-5575 **LaForce's** Hemostatic Guillotine, with detachable handle.
- C-5580 **Sluder's** Tonsil Guillotine, small and large.
- *C-5581 **Sluder-Arrowsmith's**, same as Sluder's, but with round openings in blades, small and large.
- C-5582 **Sluder-Ballenger's** Tonsil Guillotine, with 2 blades in universal handle.

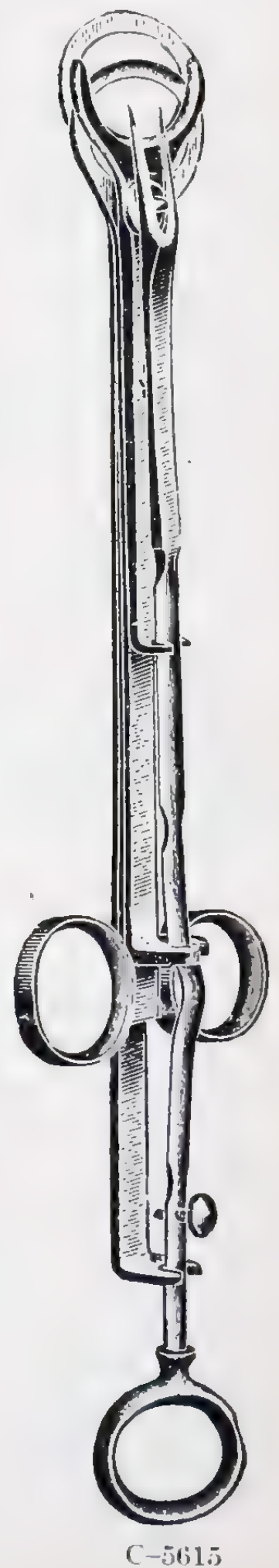


Tonsil Guillotines

- C-5585 Demarest-Sluder's Guillotine, with force cam.
- C-5590 Sluder-Richter's Guillotine, with force lever.
- *C-5587 Douglass' Hemostatic Guillotine.

Tonsilotomes

- *C-5600 Mathieu's, original, 4 sizes.
- *C-5601 Mathieu's, improved, 4 sizes.
- C-5605 McKenzie's, 4 sizes.
- *C-5606 McKenzie's, reversible, 4 sizes.
- *C-5607 McKenzie-Quinlan's, reversible, 4 sizes.
- C-5610 Myles', lingual, 2 sizes.
- C-5615 Simplex, 4 sizes.



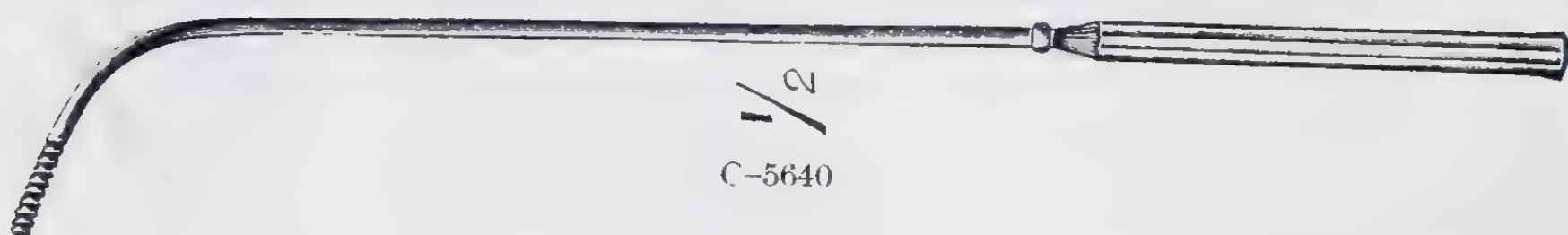
STANDARD SURGICAL INSTRUMENTS



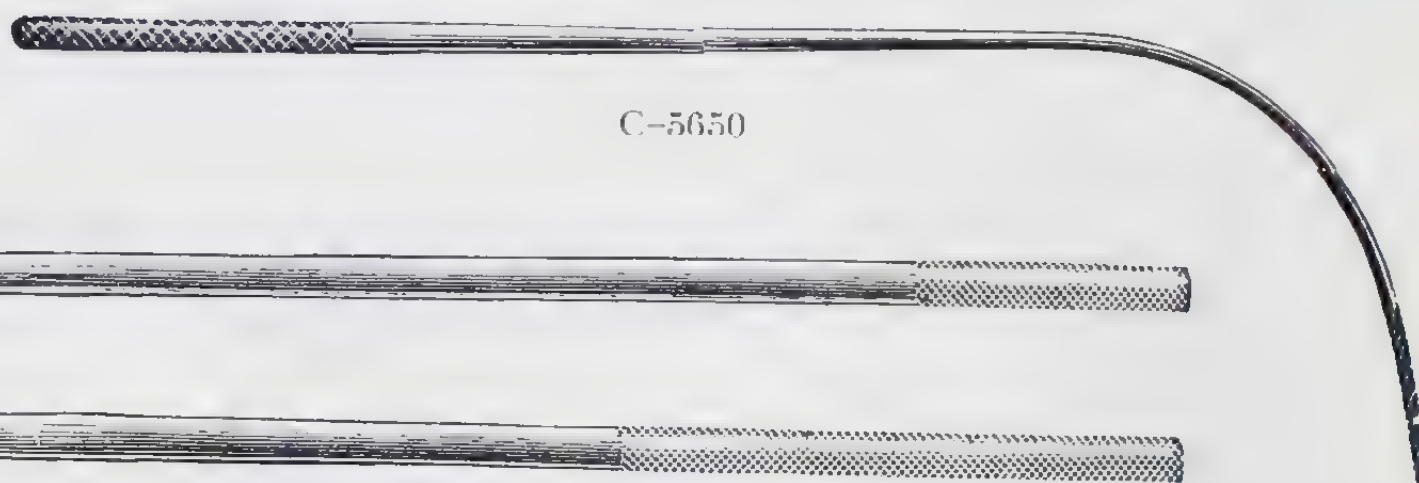
C-5630



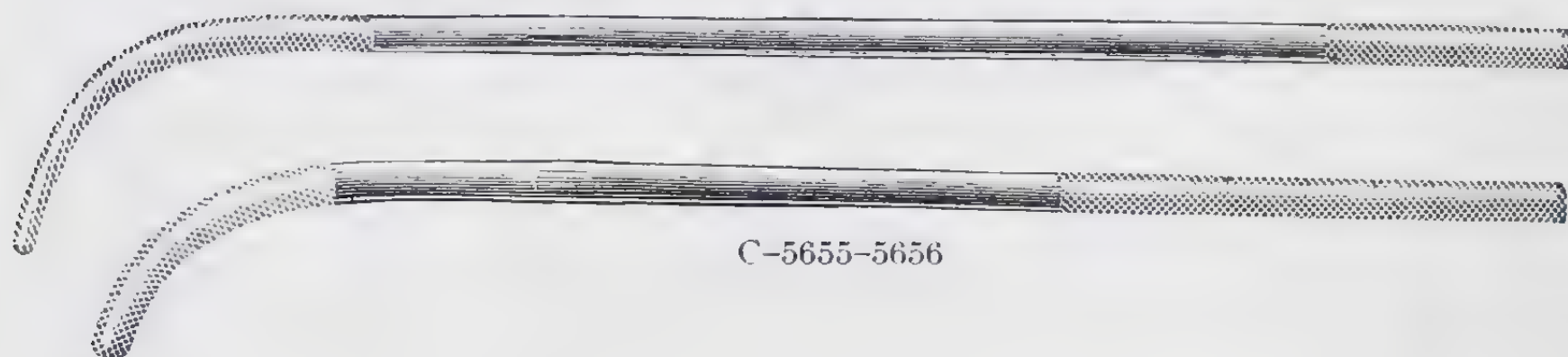
C-5635



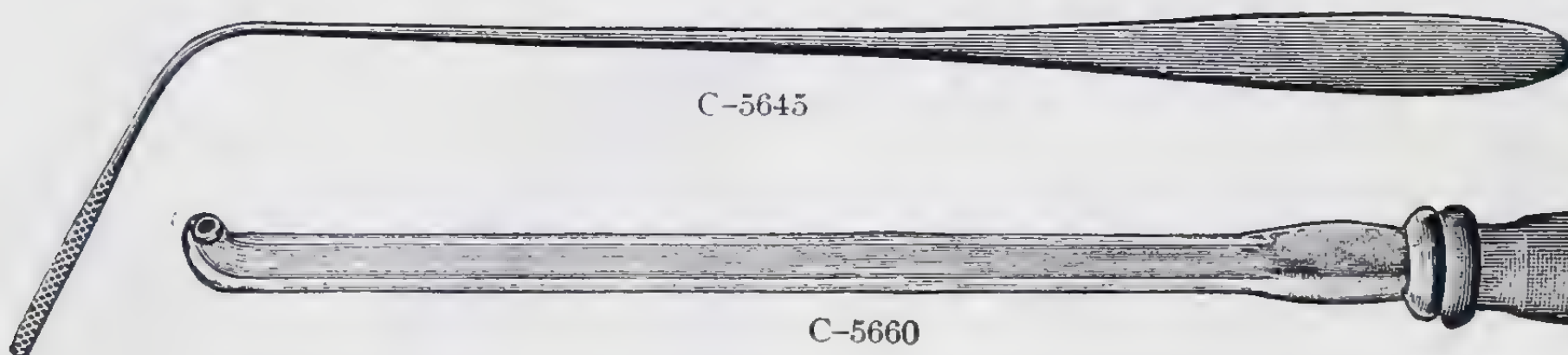
C-5640



C-5650



C-5655-5656



C-5645

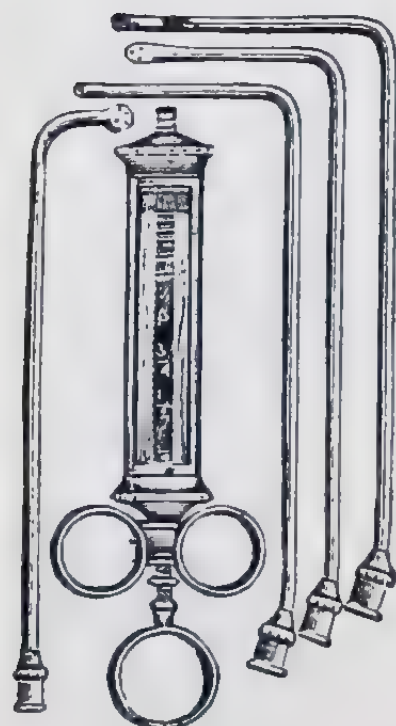
C-5660

Laryngeal Applicators

- C-5630 Plain, plated or aluminum, flat end, rough end, triangular end or spiral end.
- C-5635 Plain, handle with chuck end and 100 removable wire stems.
- C-5640 Plain, curved, steel, spiral end.
- C-5645 **Fraenkel's.**
- C-5650 **Ivan's**, all steel.
- C-5655 **Pyncheon's**, aluminum, heavy, long.
- C-5656 **Pyncheon's**, aluminum, heavy, short.
- C-5660 **Yankauer's** Medicator, glass.

Laryngeal Syringes (see also page 24)

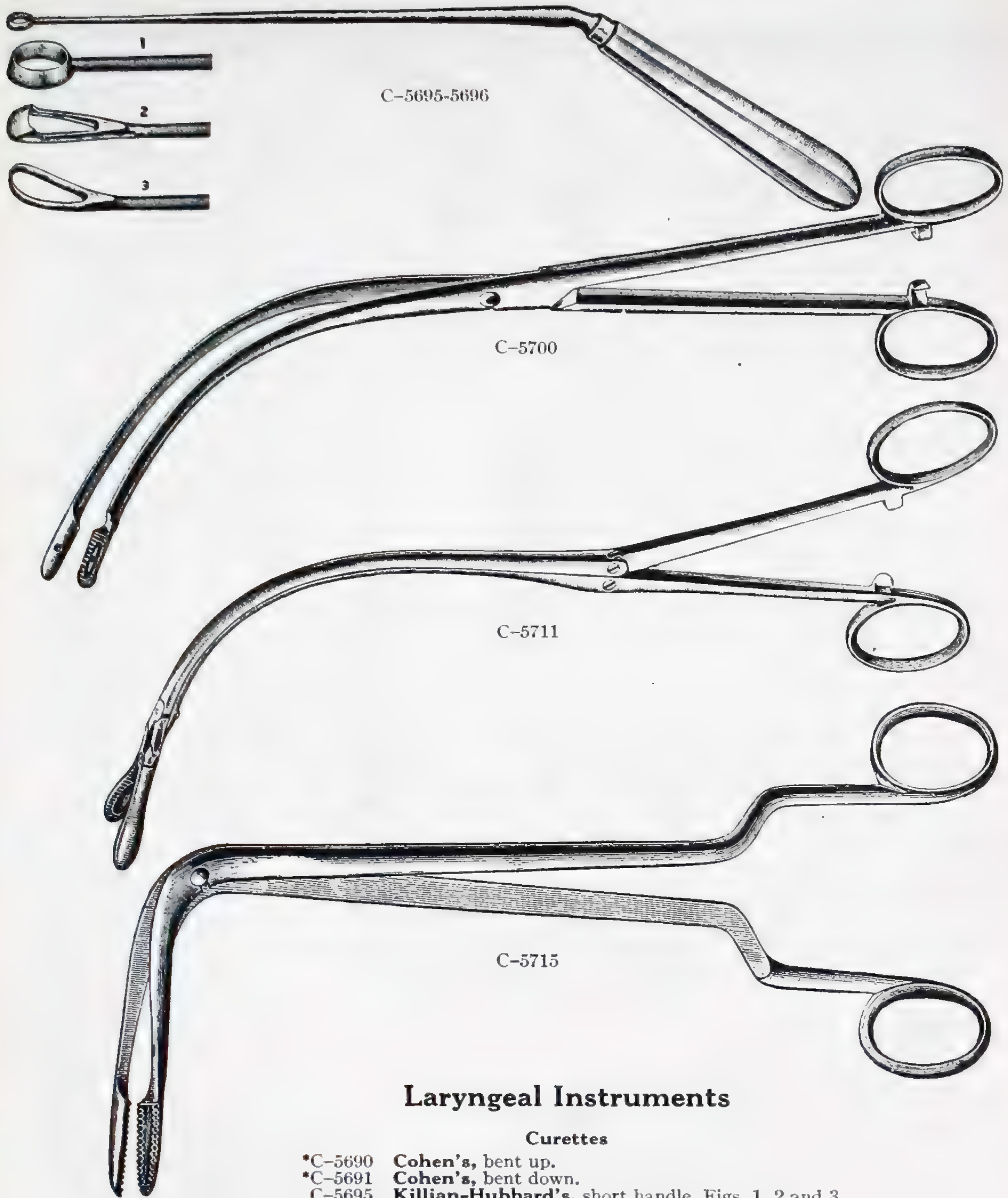
- C-5665 **Brown's**, with 4 silver tubes in metal case.
- C-5670 **Muir's**, with flexible laryngeal tip.



C-5665



C-5670



Laryngeal Instruments

Curettes

- *C-5690 Cohen's, bent up.
- *C-5691 Cohen's, bent down.
- C-5695 Killian-Hubbard's, short handle, Figs. 1, 2 and 3.
- C-5696 Killian-Hubbard's, long handle, Figs. 1, 2 and 3.
- *C-5698 Krause's, antero posterior.
- *C-5699 Krause's, lateral, right and left.

Forceps

- C-5700 Fauvel's, grasping, lateral, 4 sizes.
- *C-5705 Garrigue's, applicating.
- *C-5710 Luer's, grasping, antero posterior.
- C-5711 Luer's, grasping, lateral.
- C-5715 McKenzie's, grasping, antero posterior.
- *C-5716 McKenzie's, grasping, lateral.

Knives

- *C-5720 Tobold's, spear shaped.
- *C-5721 Tobold's, convex blade.
- *C-5722 Tobold's, concave blade.

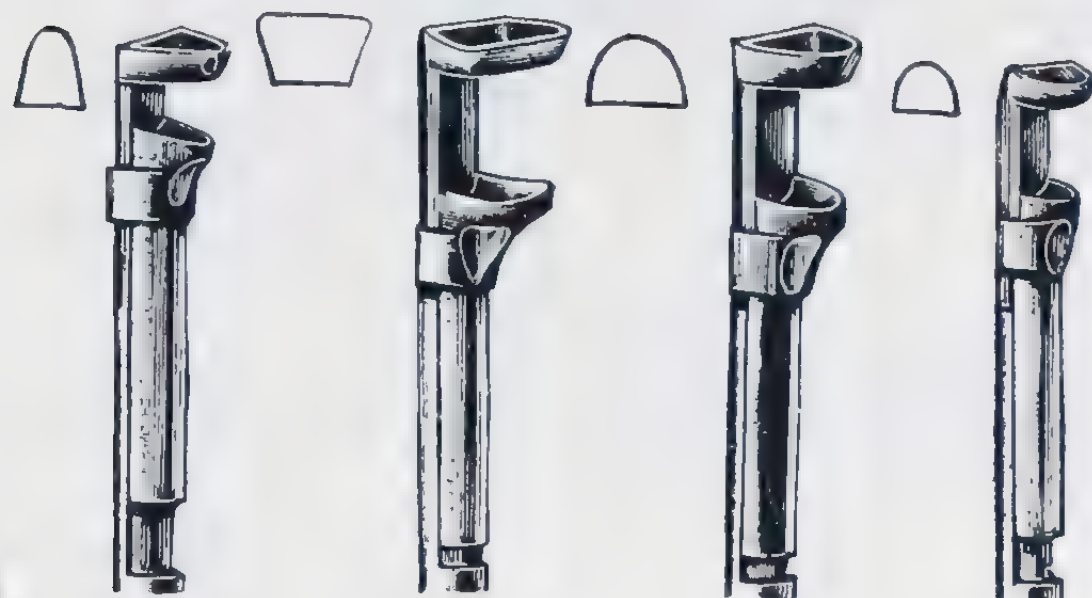
Snares

- *C-5725 Krause's, with universal handle.

STANDARD SURGICAL INSTRUMENTS



C-5740

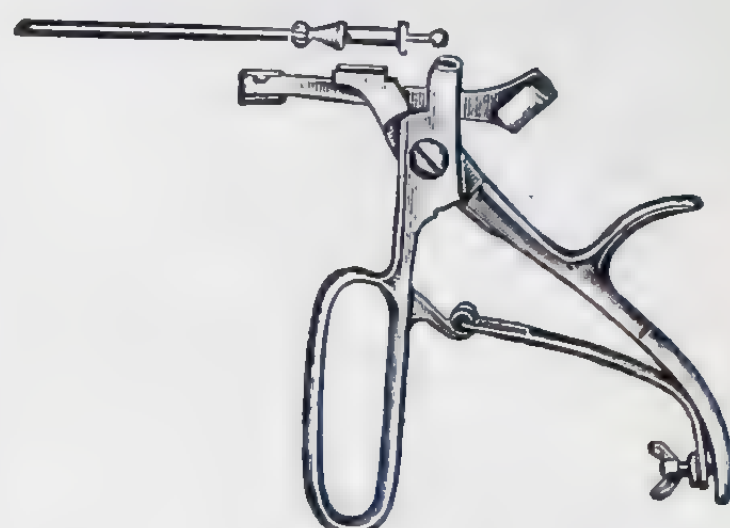


C-5753

C-5750

C-5751

C-5752



C-5735



C-5745



C-5746



C-5747



C-5765



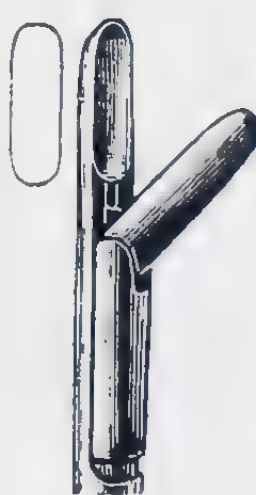
C-5766



C-5770



C-5771



C-5755

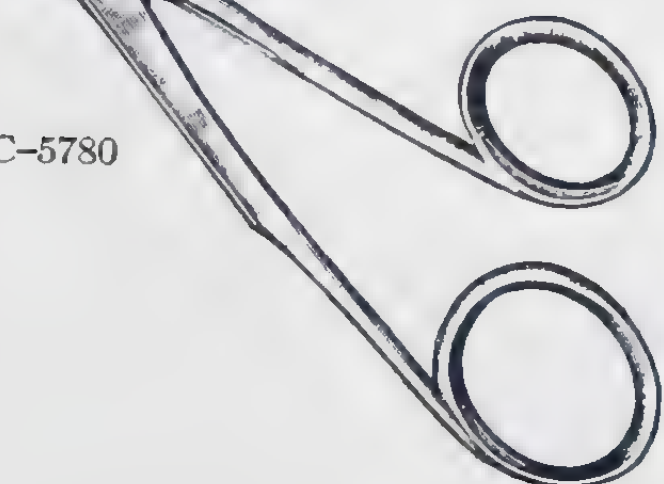


C-5760



C-5775

C-5780



Laryngeal Instruments

- C-5735 Universal Handle, only.
C-5740 Straight Canulae, 8, 16 and 22 inches.
*C-5741 Curved Canulae, for laryngeal work.

Forceps Tips for Stems

- C-5745 Grasping, straight, serrated.
C-5746 Grasping, straight, mouse toothed.
C-5747 Grasping, angular bent, serrated.
C-5750 Corde's, curette, for posterior wall
C-5751 Corde's, curette, for large growths.
C-5752 Corde's, curette, for singers' nodes.
C-5753 Corde's, curette, for growths of inferior commissure.
C-5755 Frankel's, cutting.

- C-5760 Killian's, cutting.
C-5765 Krause's, punch, oval.
C-5766 Krause's, punch, square.
C-5770 Scheinemann's, punch, subglottis.
C-5771 Scheinemann's, cutting, subglottis.
C-5775 Struycken's, punch.
C-5780 Jackson's, cutting, with 1 canulae 8, 16, or 22 inches long, and 1 cutting tip.

Foreign Body Instruments

- *C-5785 Coin Catcher.
*C-5786 Coin Catcher, with sponge probang, hinged.

- C-5790 Probang, Haslam's, bristle, all metal, spiral asptic.
*C-5791 Probang Bristles, Haslam's.

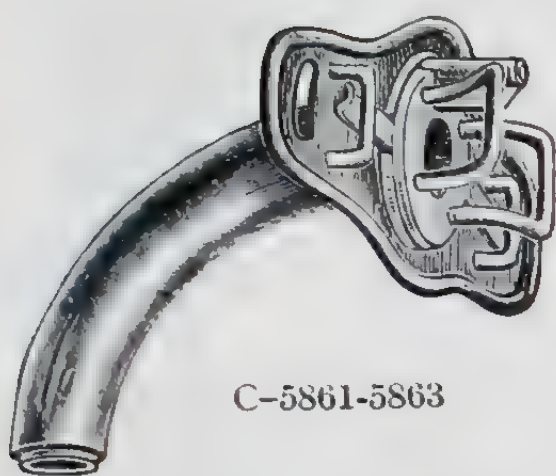


C-5790

OPEN



C-5855-5856



C-5861-5863

mm. 5 6 7



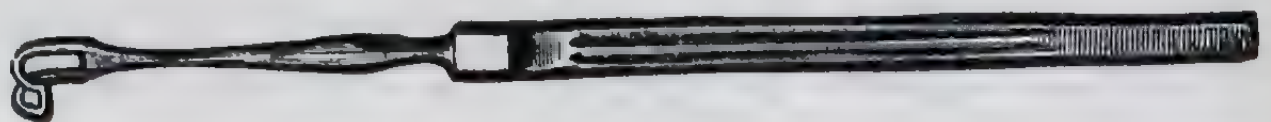
No 1 2 3

8 9 10



4 5 6

Scale, Giving Diameters of Trachea Tubes



C-5820



C-5825



C-5827



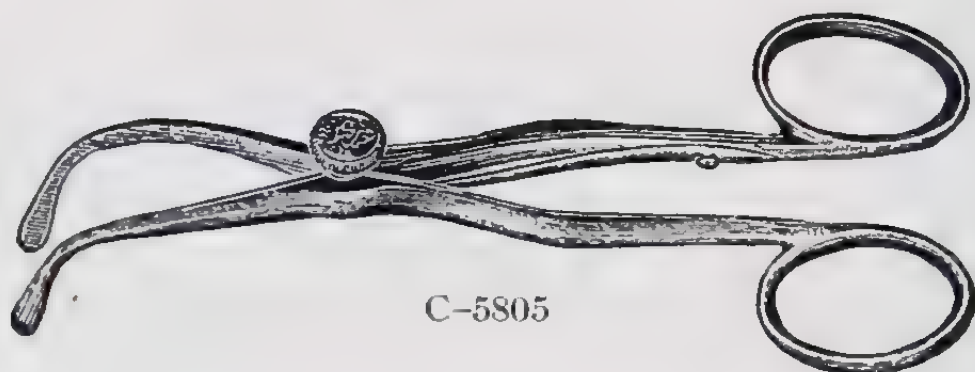
C-5829



C-5845



C-5835



C-5805

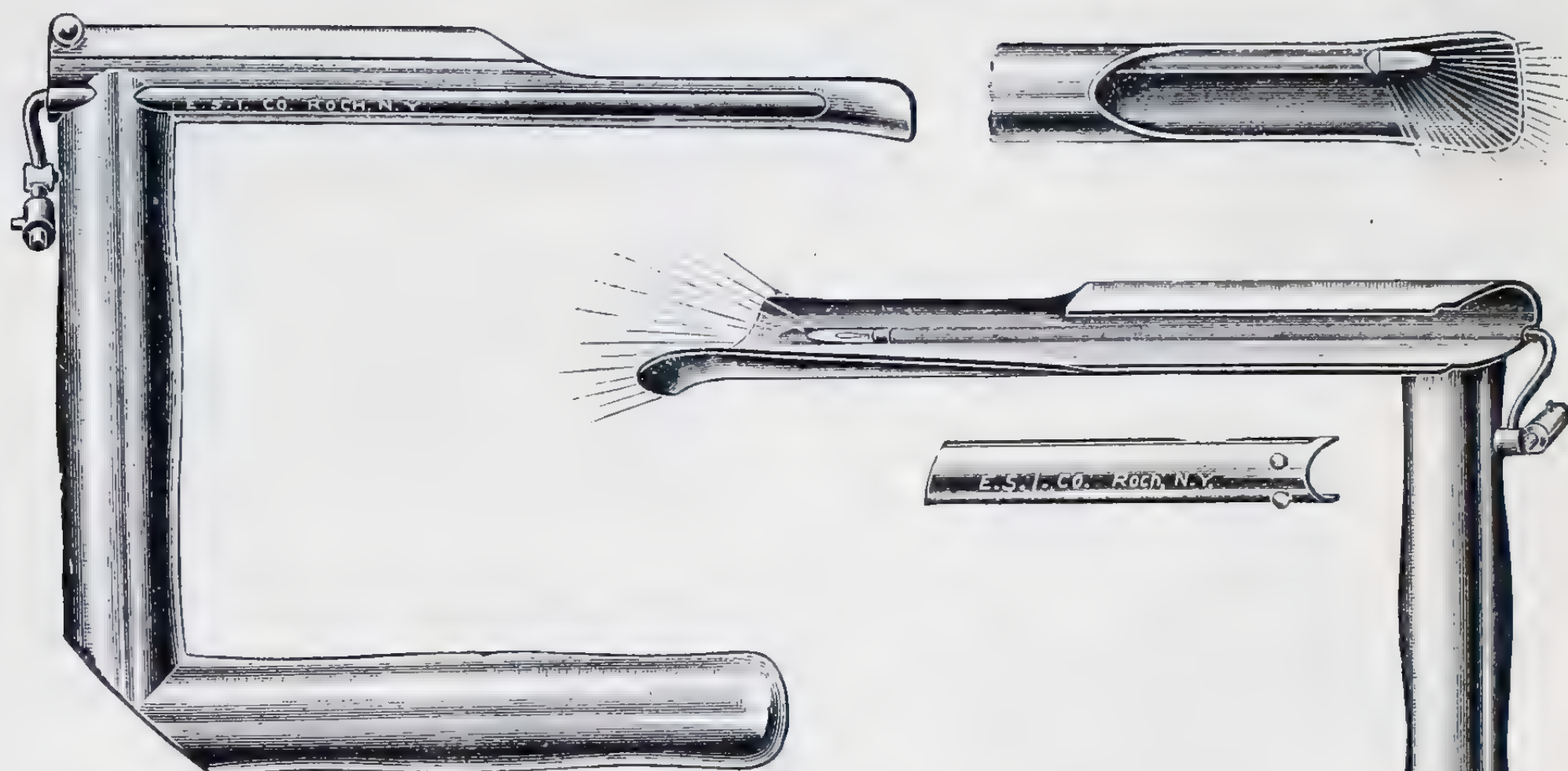
Tracheal Instruments

- *C-5800 Dilator, **Laborde's**.
- C-5805 Dilator, **Trousseau's**.
- *C-5810 Forceps, **Collin's**, for removing foreign bodies.
- *C-5815 Forceps, **Mathieu's**, for removing foreign bodies.
- C-5820 Retractor, **Belajew's**.
- C-5825 Retractor, hook, single, blunt.
- *C-5826 Retractor, hook, single, sharp.
- C-5827 Retractor, hook, double, blunt.
- *C-5828 Retractor, hook, double, sharp.
- C-5829 Retractor, hook, triple, blunt.
- *C-5830 Retractor, hook, triple, sharp.
- C-5835 Retractor, **Hupp's**.
- *C-5840 Retractor, **Luer's**, double, blunt.
- C-5845 Retractor, **Rose's**, double, blunt.
- C-5850 Tracheatome, Haslam's, 5 sizes, in case.

- *C-5851 Tracheatome, Haslam's, 3 sizes, in case.
- *C-5852 Tracheatome, Haslam's, 1 size, in case.
- C-5855 Trachea Tubes, **Chevalier-Jackson's**, plated, No. 1 to 6.
- C-5856 Trachea Tubes, **Chevalier-Jackson's**, silver, No. 1 to 6.
- *C-5860 Trachea Tubes, **Luer's**, double, hard rubber, 6 sizes.
- C-5861 Trachea Tubes, **Luer's**, double, silver plated, No. 1 to 6.
- C-5862 Trachea Tubes, **Luer's**, aluminum, 8 sizes.
- C-5863 Trachea Tubes, **Luer's**, double, silver, No. 1 to 6.

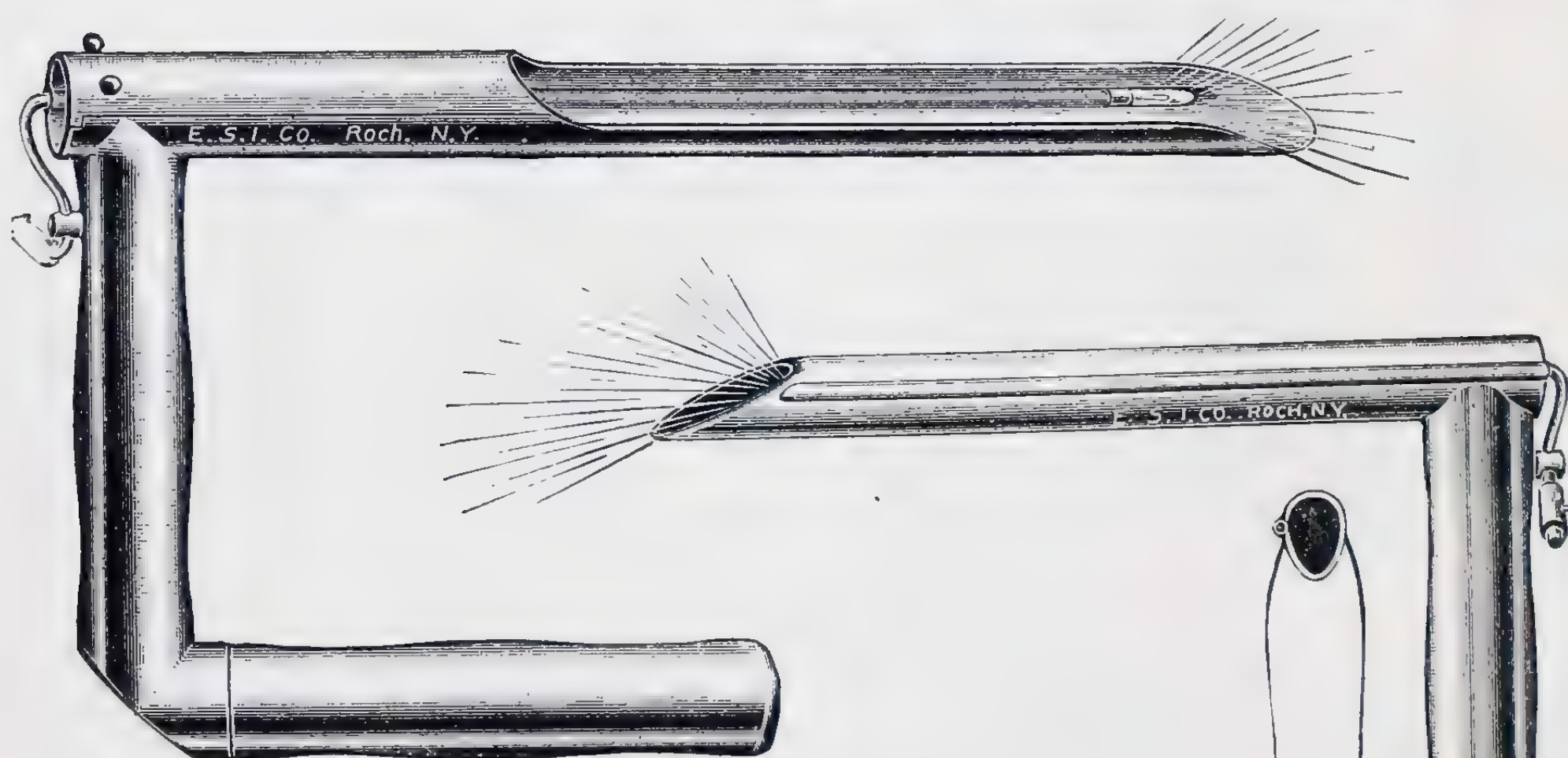
STANDARD SURGICAL INSTRUMENTS

Laryngoscopic, Bronchoscopic, Esophagoscopic and Gastrosopic Instruments



C-5882-5883

C-5884-5885



C-5888-5889

C-5886

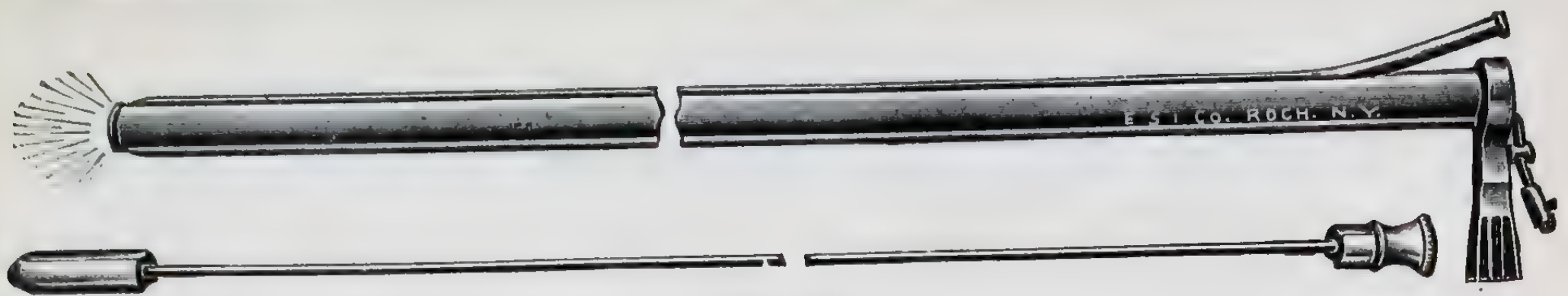


C-5896

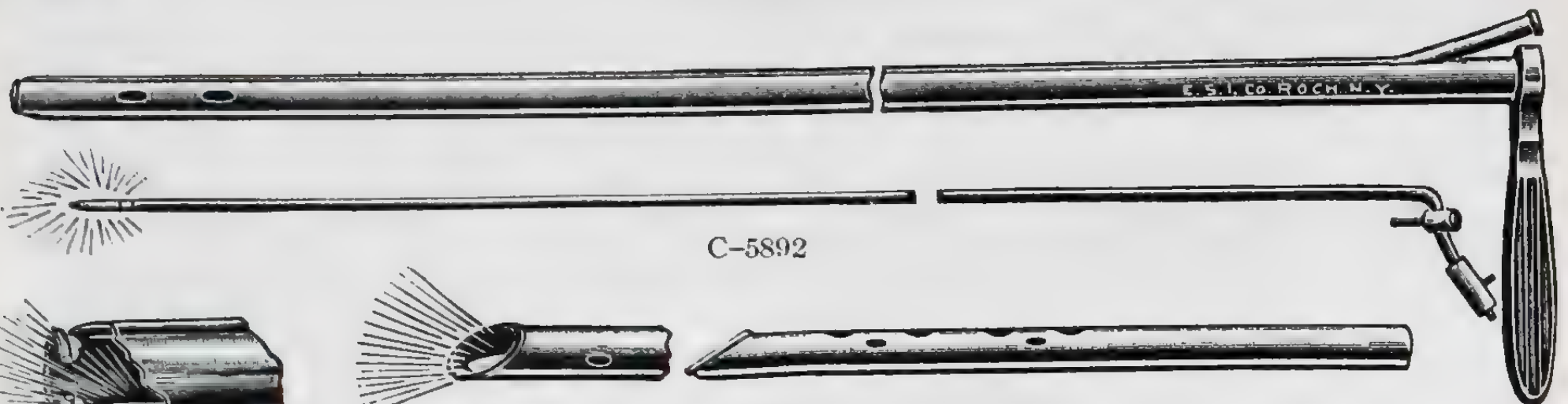


C-5890

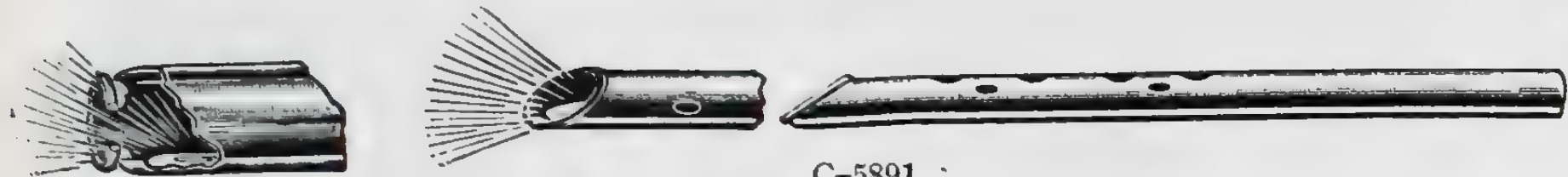
STANDARD SURGICAL INSTRUMENTS



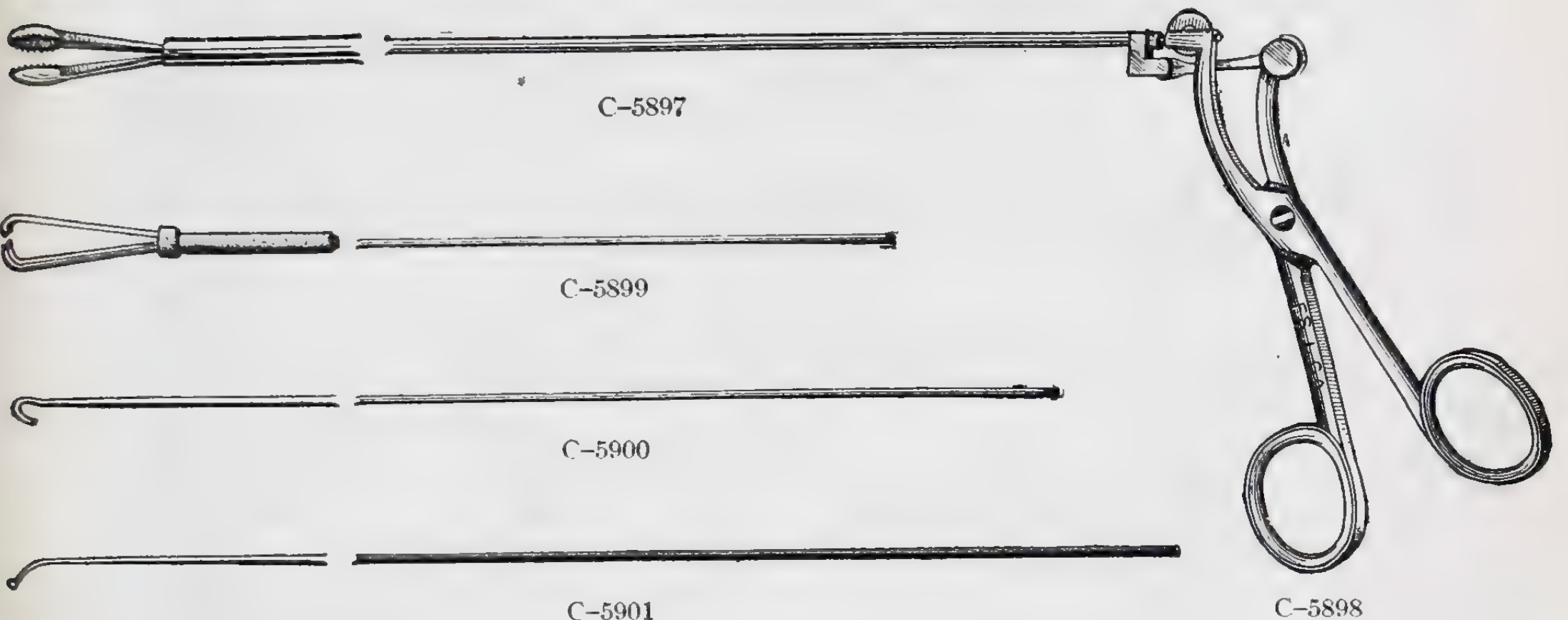
C-5894-5895



C-5892



C-5891



C-5897

C-5899

C-5900

C-5901

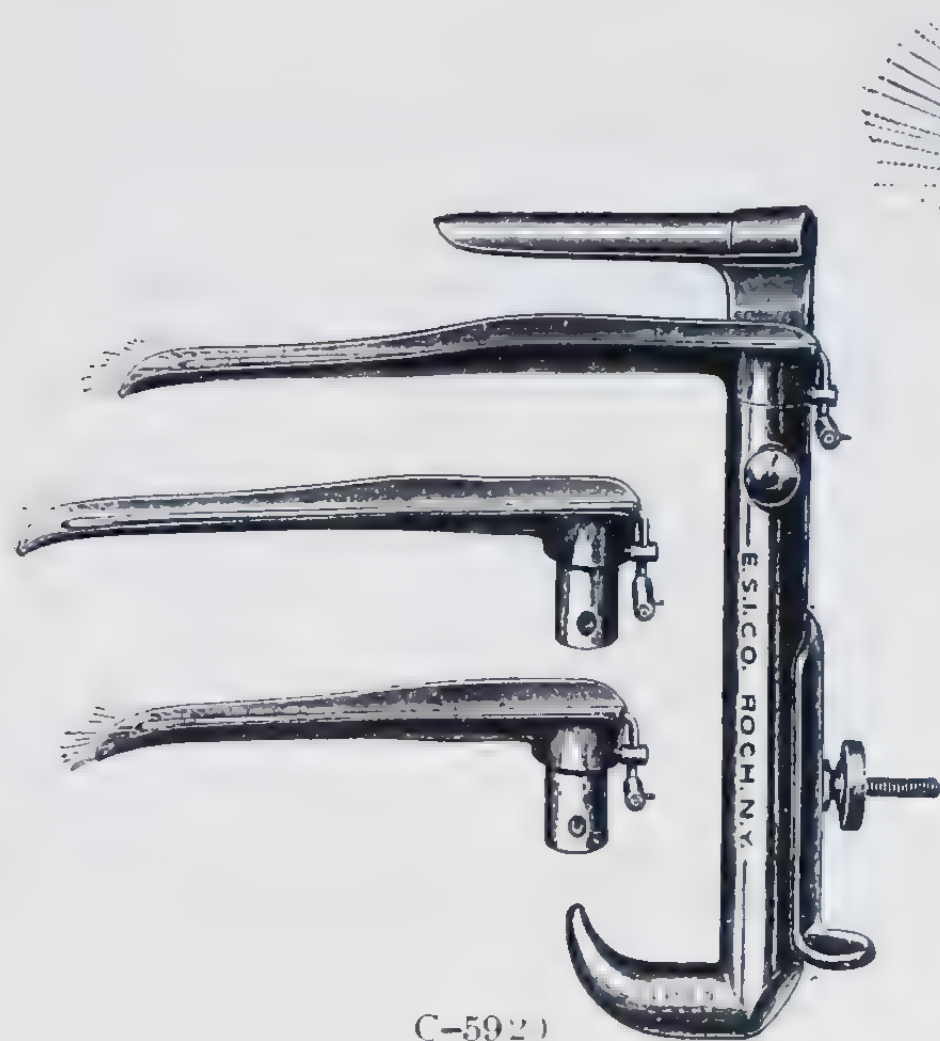
C-5898

Instruments for Direct Laryngoscopy, Bronchoscopy, Esophagoscopy and Gastroscopy

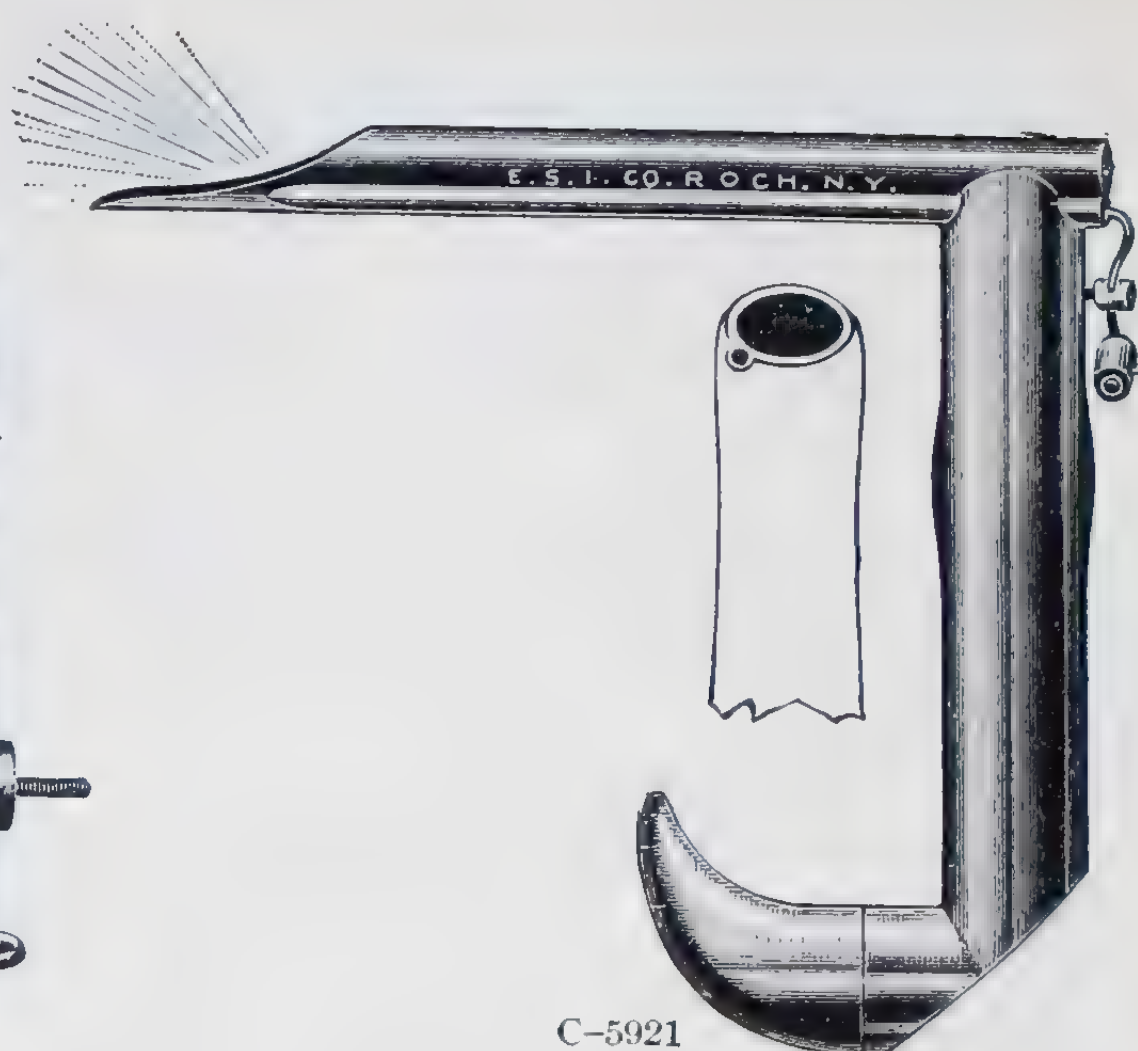
The designs for these instruments were furnished by **Dr. Chevalier Jackson**, and are only made for him and under his directions by the **Electro Surgical Instrument Company of Rochester, N. Y.**

- *C-5880 Lamp and Carrier for **Jackson's** tubes.
- *C-5881 Aspirator, **Jackson's**, for secretions, with all metal suction pump.
- C-5882 Laryngeal Speculum, **Jackson's**, No. 7, with slide (adult).
- C-5883 Laryngeal Speculum, **Jackson's**, No. 8, with slide (child's).
- C-5884 Laryngeal Speculum, **Jackson's**, oval slide (adult).
- C-5885 Laryngeal Speculum, **Jackson's**, oval slide (child's).
- C-5886 Laryngeal Speculum, **Jackson's**, anterior commissure.
- *C-5887 Laryngeal Speculum, **Johnston's**.
- C-5888 Esophageal Speculum, **Jackson's** (adult).
- C-5889 Esophageal Speculum, **Jackson's** (child's).
- C-5890 Esophagoscope, **Jackson's**, slanted end, without obturator, with auxiliary drainage tube, No. 1 (adult); No. 2 (child's).
- C-5891 Bronchoscope, **Jackson's**, slanted end, without obturator, without auxiliary drainage tube, No. 3 (adult); No. 4 (adolescent); No. 5 (child's); No. 6 (infant's).
- C-5892 Bronchoscope, **Jackson's**, blunt end, with auxiliary drainage tube, 7 mm. by 45 cm., 5 mm. by 45 cm., 5 mm. by 30 cm.
- *C-5893 Bronchoscope, **Jackson's**, modified by **Dr. D. Braden Kyle**, with long and short light carriers, 7 mm. by 40 cm.
- C-5894 Gastroscope, **Jackson's**, for ordinary cases, 10 mm. by 70 cm.
- C-5895 Gastroscope, **Jackson's**, for extreme cases of gastroptosis, 10 mm. by 80 cm.
- C-5896 Window Plug, for **Jackson's** Esophagoscope and Gastroscope, used by **Dr. Mosher** for ballooning oesophagus or stomach.
- C-5897 **Jackson's** Forceps, 36, 60 and 85 cm.
- C-5898 **Jackson's** Two Ring Handle, interchangeable.
- C-5899 **Jackson's** Cotton Carrier, 36, 60 and 85 cm.
- C-5900 **Jackson's** Hook, 36, 60 and 85 cm.
- C-5901 **Jackson's** Probe, 36, 60 and 85 cm.
- *C-5902 **Jackson's** Drainage Tube, 36, 60 and 85 cm.
- *C-5903 Extra lamps for light carriers, **E. S. I. Co.** No. 2.

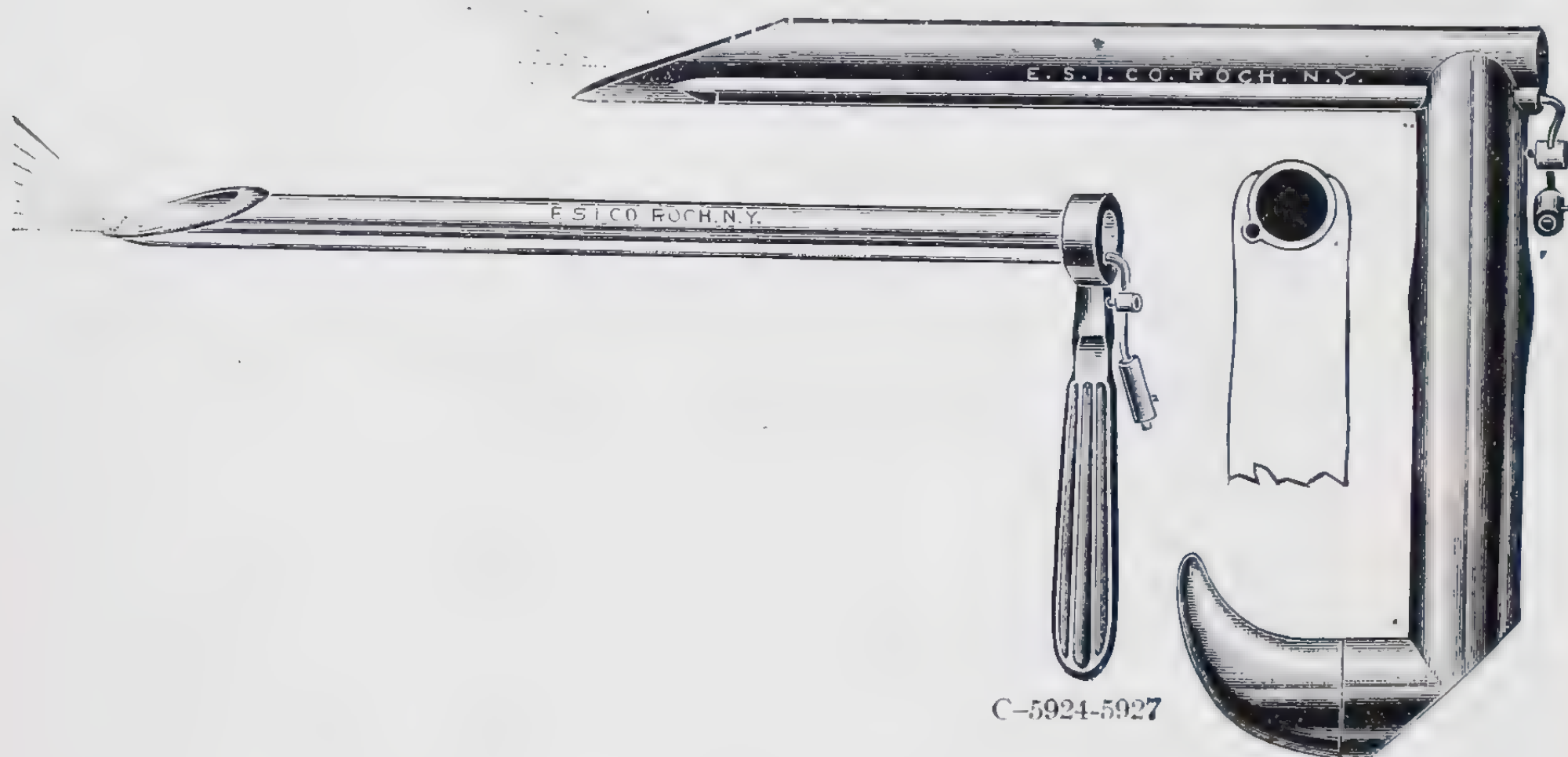
STANDARD SURGICAL INSTRUMENTS



C-5920



C-5921



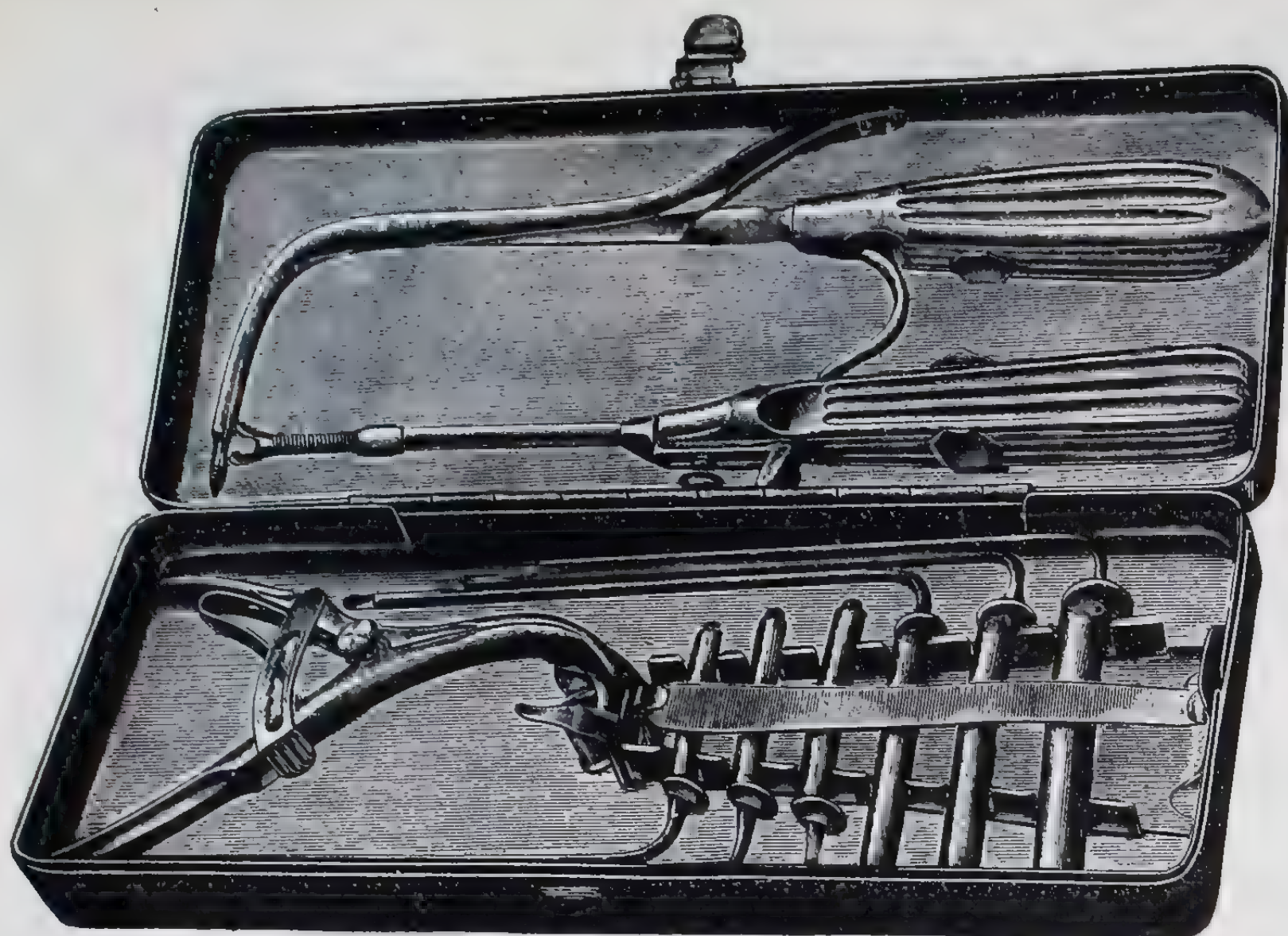
C-5924-5927

C-5923

- | | | | |
|---------|--|---------|---|
| C-5920 | Lynah's Intubation Speculum, with 3 blades, 14½, 12½ and 10½ cm. | C-5925 | Lynah's Bronchoscope, adolescent size, 7 mm x 40 cm. |
| C-5921 | Lynah's Ovoid Laryngeal Speculum, size, 14 mm. x 11 mm. x 14 cm. | C-5926 | Lynah's Bronchoscope, child size, 5 mm x 30 cm. |
| *C-5922 | Lynah's Oesophageal Speculum, same as C-5921, except size; child size, 14 mm. x 10 mm. x 18 cm.; adult size, 16 mm. x 12 mm. x 25 cm. | C-5927 | Lynah's Bronchoscope, infant size, 4 mm x 30 cm. |
| C-5923 | Lynah's Anterior Commissure Laryngoscope, size, 14 mm. x 18 cm. | *C-5928 | Lynah's Oesophagoscope, adult size, 10 mm x 53 cm. |
| C-5924 | Lynah's Bronchoscope, adult size, 9 mm x 40 cm. | *C-5929 | Lynah's Oesophagoscope, child size, 7 mm x 45 cm. |
| | | *C-5930 | Lynah's Tracheascope, adult size, 9 mm x 22 cm. |
| | | *C-5931 | Lynah's Tracheascope, adolescent size, 7 mm x 22 cm. |
| | | *C-5932 | Lynah's Tracheascope, child size, 5 mm x 22 cm. |

Dr. Lynah's instruments are the latest devices in the bronchoscopic field. They are made exclusively by the **Electro Surgical Instrument Co.**, Rochester, N. Y.

Illustrated descriptive pamphlet furnished upon request.



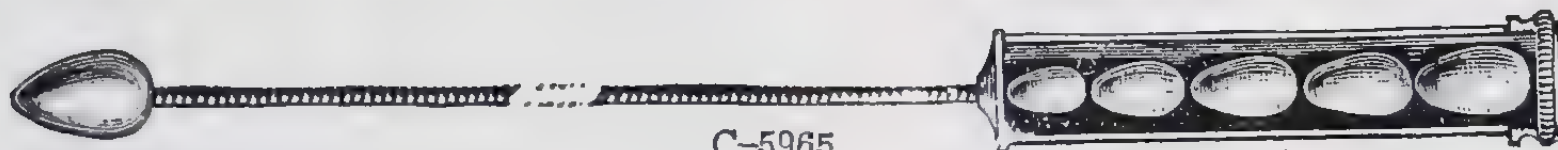
C-5955-5956



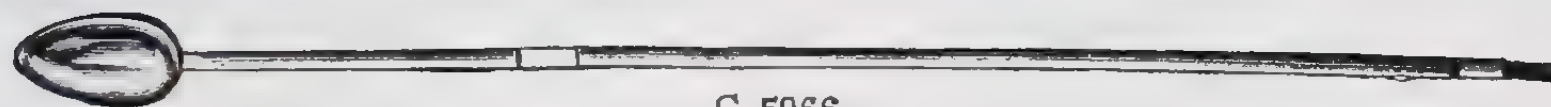
C-5960



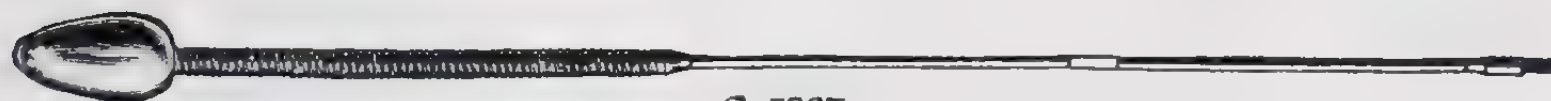
C-5961



C-5965



C-5966



C-5967



C-5968

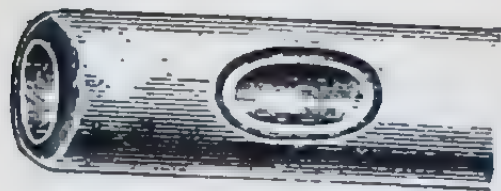
Intubation Sets

- *C-5950 **Ferroud-Thorner's**, with 1 handle, in metal case.
- *C-5951 **Ferroud-Thorner's**, with 2 handles, in metal case.
- *C-5952 **Ferroud-Thorner's**, with 3 handles, in metal case.
- C-5955 **O'Dwyer's**, with hard rubber covered tubes.
- C-5956 **O'Dwyer's**, with gold-plated tubes.

Esophageal Bougies and Dilators

- C-5960 Cylindrical Bougies, French, best quality, 16 to 30 Fr. in even numbers.
- C-5961 Olive Point Bougies, French, best quality, 16 to 30 Fr. in even numbers.
- C-5965 **Trousseau's** Dilator, spiral stem, 6 metal olives.
- C-5966 **Trousseau's** Dilator, oval metal stem, 6 metal olives.
- C-5967 **Trousseau's** Dilator, Douglass' stem, 6 metal olives.
- C-5968 **Trousseau's** Dilator, whalebone stem, 6 hard rubber olives.

STANDARD SURGICAL INSTRUMENTS



Open End



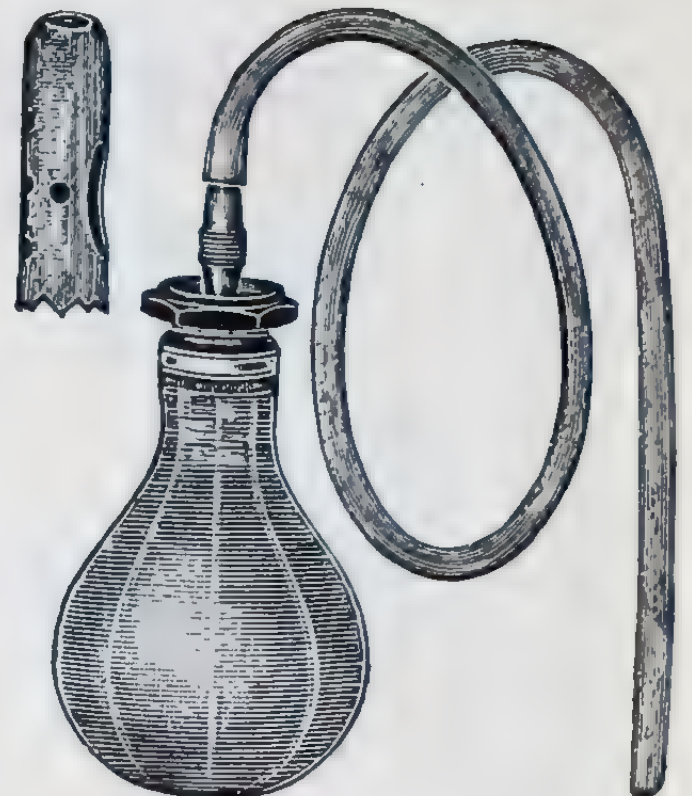
Closed End



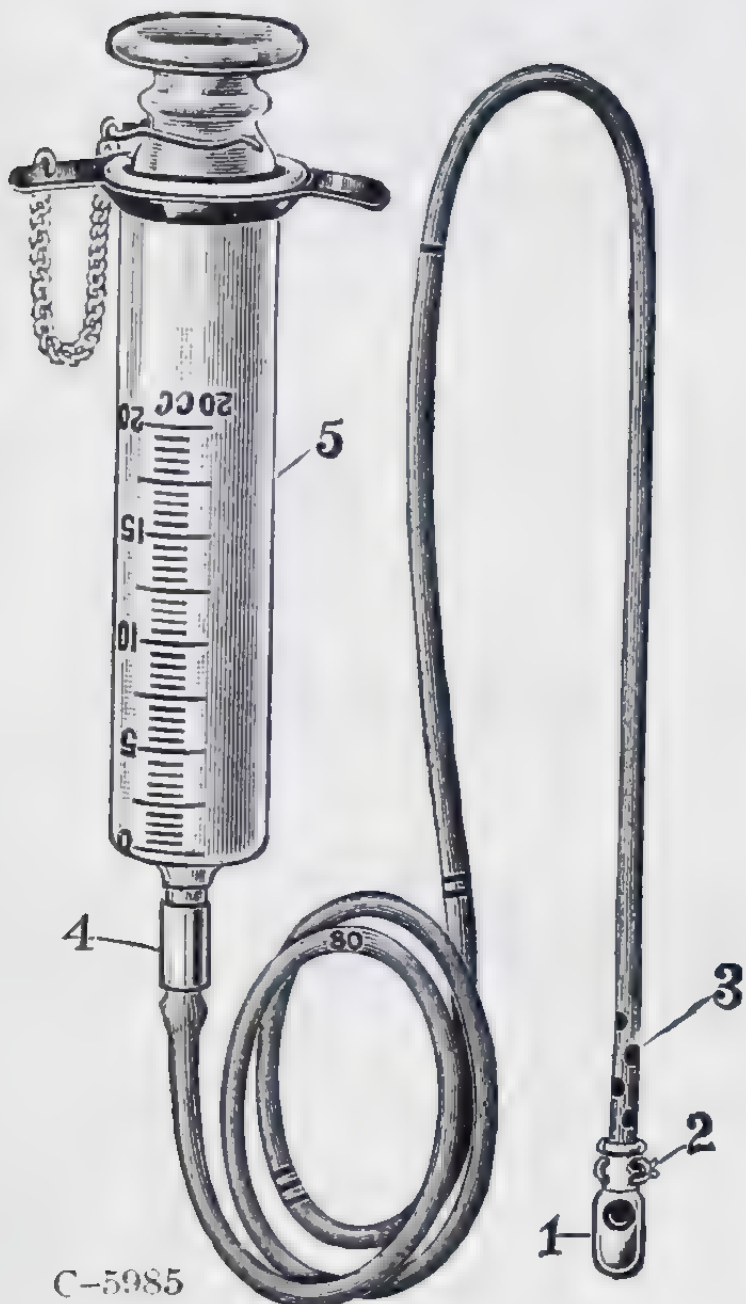
C-5980



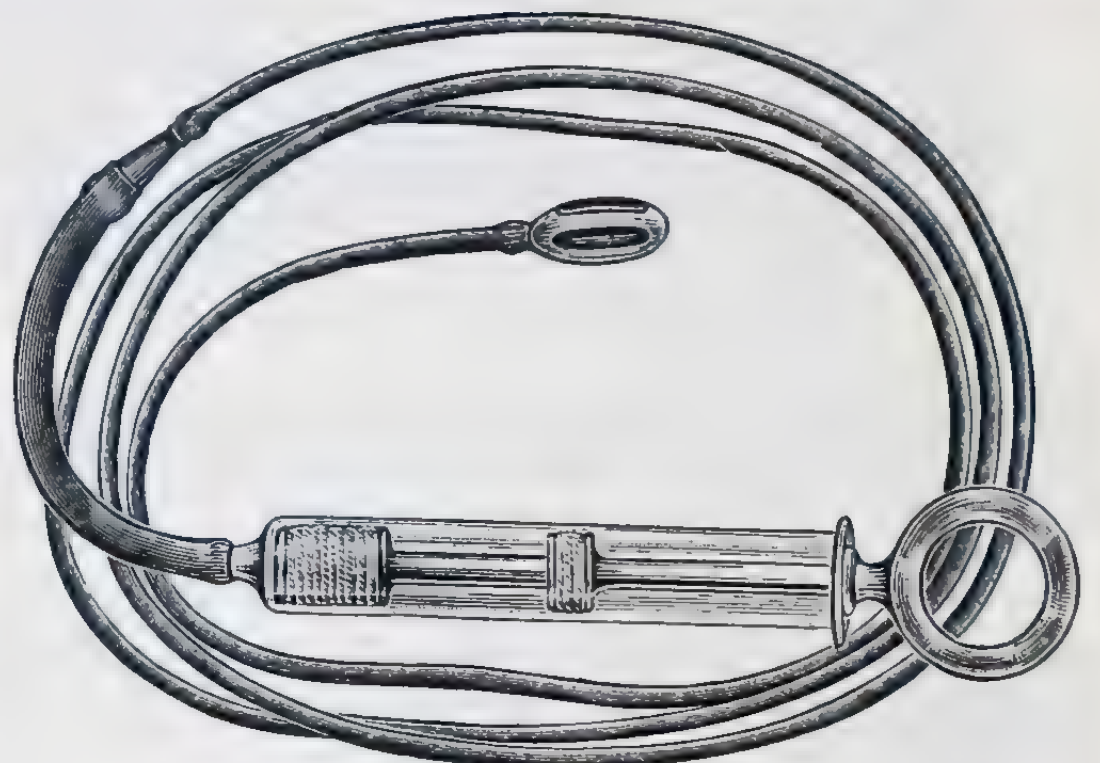
C-5981



C-5975-5976



C-5985



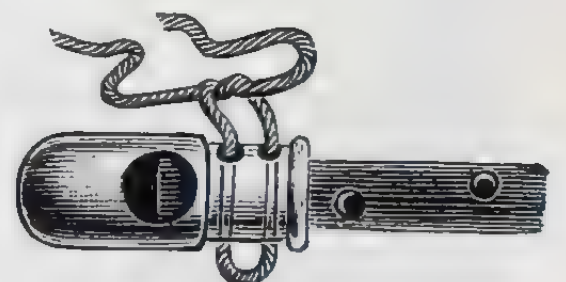
C-5997

Stomach Tubes

- C-5975 Ewald's Aspirator.
- C-5976 Ewald's Tube, only, 24 inches.
- C-5980 Soft rubber with funnel, 60 inches; 3 sizes, open or closed end.
- C-5981 Soft rubber with bulb and funnel, 60 inches; 3 sizes, open or closed end.
- *C-5982 Soft rubber, Paine's Nasal Feeding Tubes.

Duodenal Outfits and Tips

- C-5985 Buckstein's, complete with syringe or without syringe.
- C-5986 Buckstein's, tip only.
- C-5987 Einhorn's, tip only.
- *C-5988 Kanavel's, complete with syringe or without syringe.
- C-5989 Kanavel's, tip only.
- *C-5991 Jutte's, complete.
- *C-5993 Lyons', complete with syringe or without syringe.
- C-5994 Lyons', tip only.
- *C-5995 Palefski's, complete with syringe or without syringe.
- C-5996 Palefski's, tip only.
- C-5997 Rehfuss', complete with syringe or without syringe.
- C-5998 Rehfuss', tip only.
- *C-5999 X-Ray Duodenal Tubes, French, gum elastic.



C-5986



C-5989



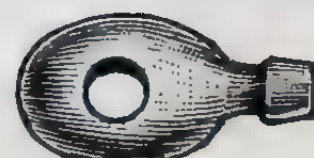
C-5994



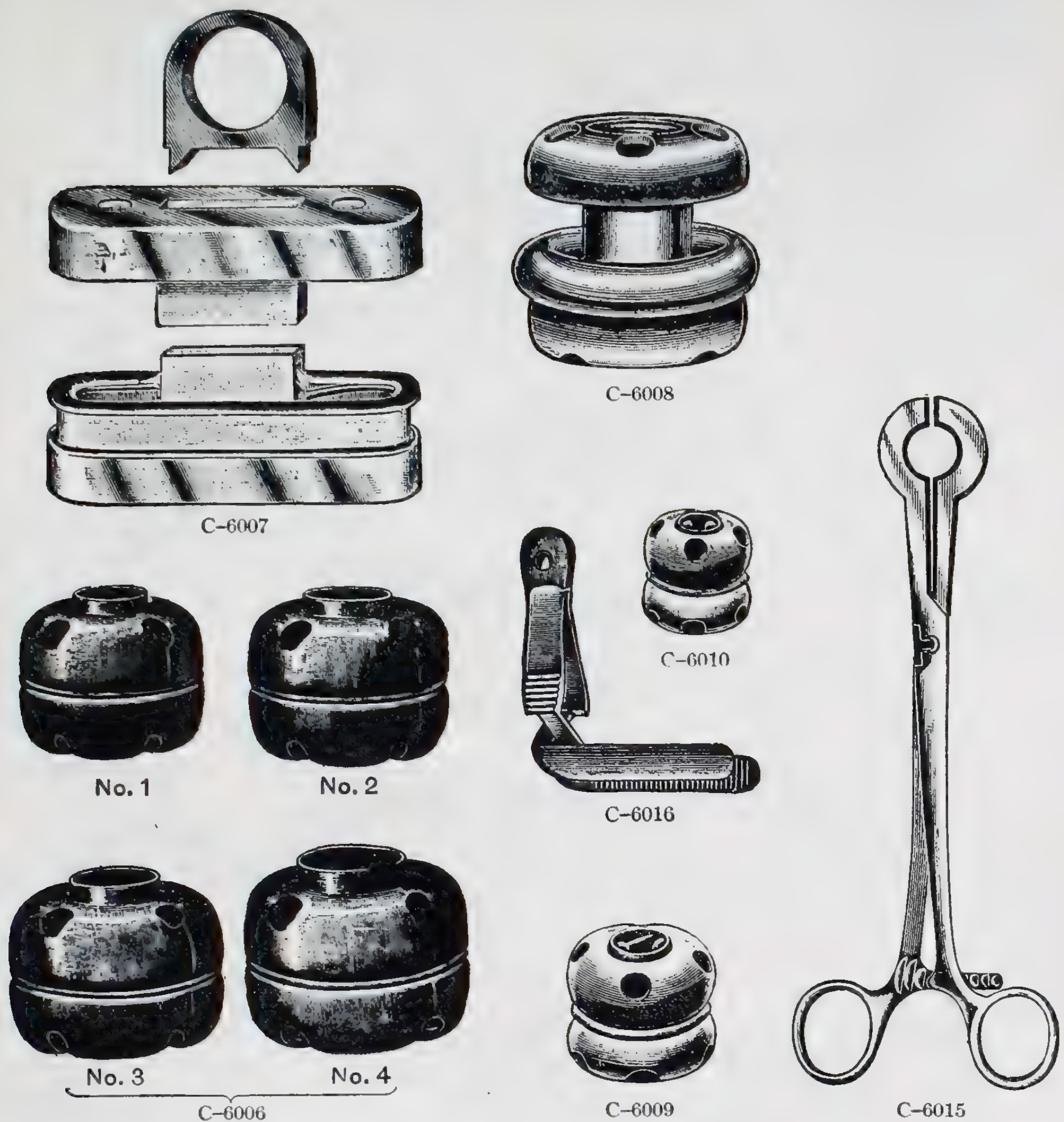
C-5998



C-5987

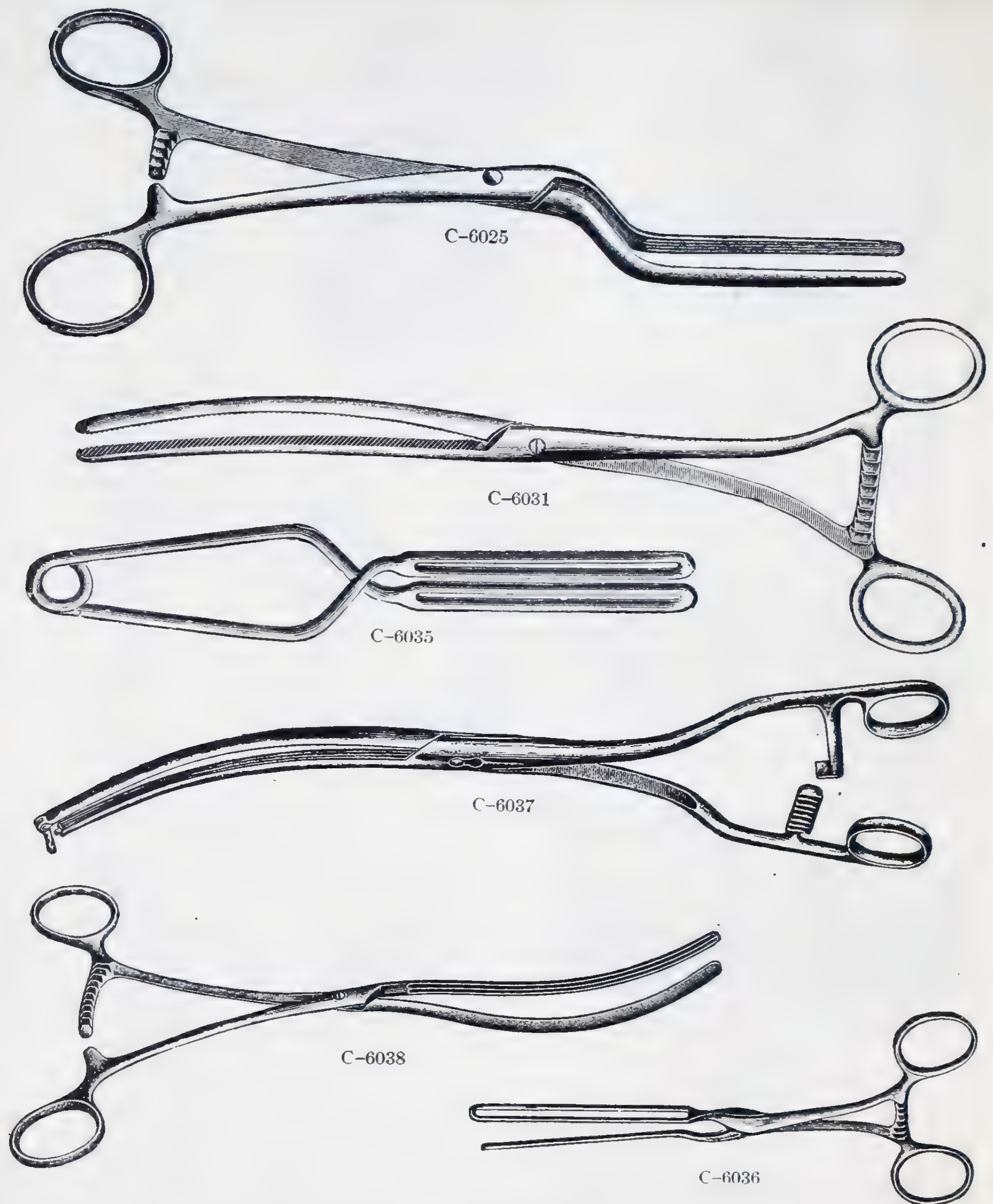


C-5996



Anastamosis Buttons, etc.

- *C-6000 Jaboulay-Lumiere's, 3 sizes.
- *C-6005 Murphy's, for draining the gall bladder, 1 size.
- C-6006 Murphy's, regular, 4 sizes.
- C-6007 Murphy's, oval, gastro-enterostomy, 1 size.
- C-6008 Murphy's, round, gastro-enterostomy, 1 size.
- C-6009 Murphy's, round, small, $\frac{3}{4}$ inch in diameter.
- C-6010 Murphy's, round, extra small, $\frac{1}{2}$ inch in diameter.
- C-6015 Murphy's Button Forceps, introducing.
- C-6016 Murphy's Clamp.
- *C-6020 Tennant's Anastamosis Forceps.

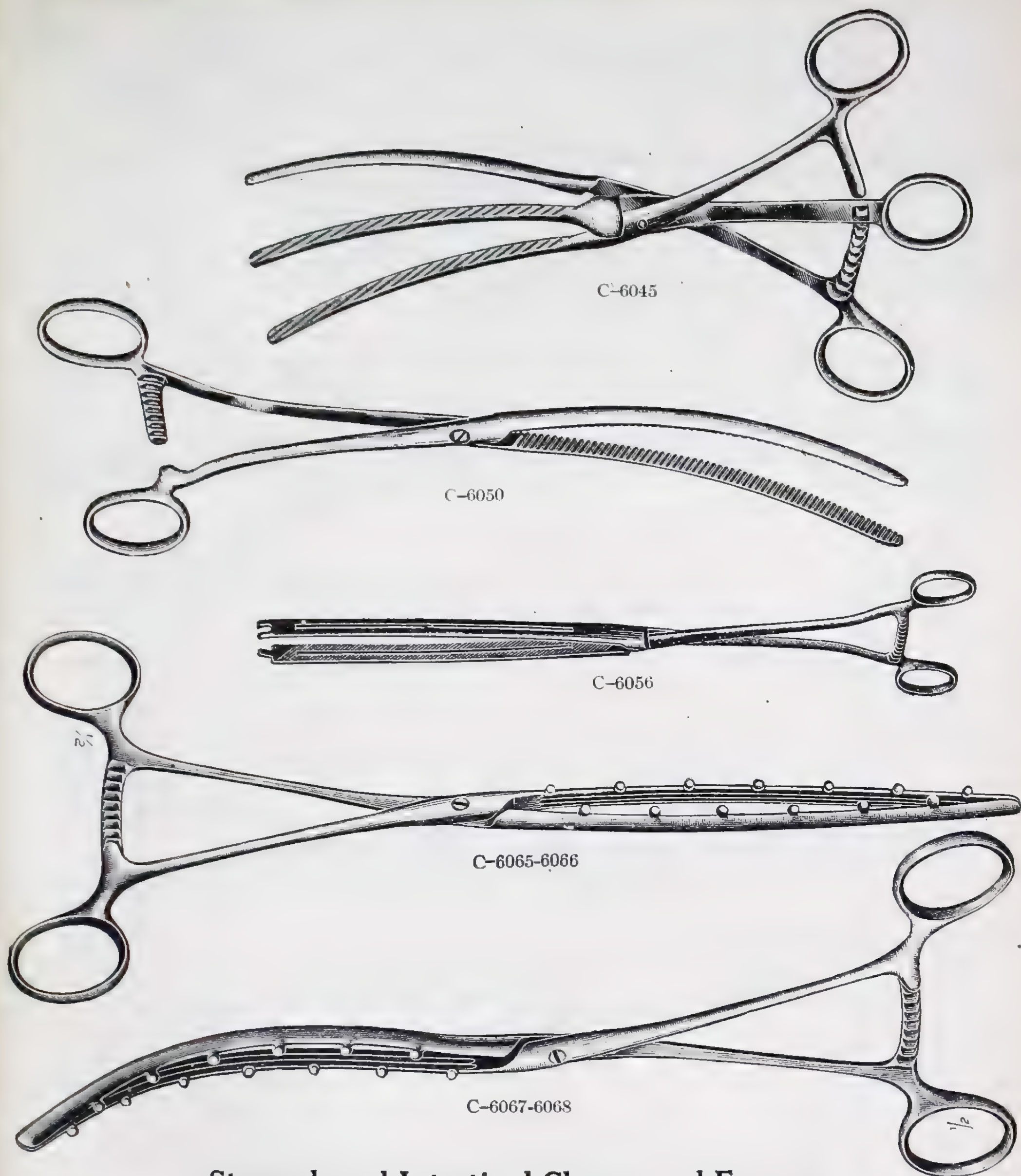


Stomach and Intestinal Clamps and Forceps

(See also pages 82 and 83)

- C-6025 **Brunner's**, bayonet shape, 10 inches.
- *C-6030 **Doyen's**, straight, $8\frac{3}{4}$ inches.
- C-6031 **Doyen's**, curved, 9 inches.
- C-6035 **Knapp's**, intestinal, 7 inches.
- C-6036 **Kocher's**, occlusion, $7\frac{1}{2}$ inches, screw lock.
- C-6037 **Kocher's**, curved, for resections, $14\frac{1}{2}$ inches.
- C-6038 **Kocher's**, double curved, $9\frac{3}{4}$ inches and $10\frac{1}{2}$ inches.
- *C-6040 **Lane's**, gastro-enterostomy, 2 in set.

Intestinal and Marginal Forceps (see pages 82 and 83)



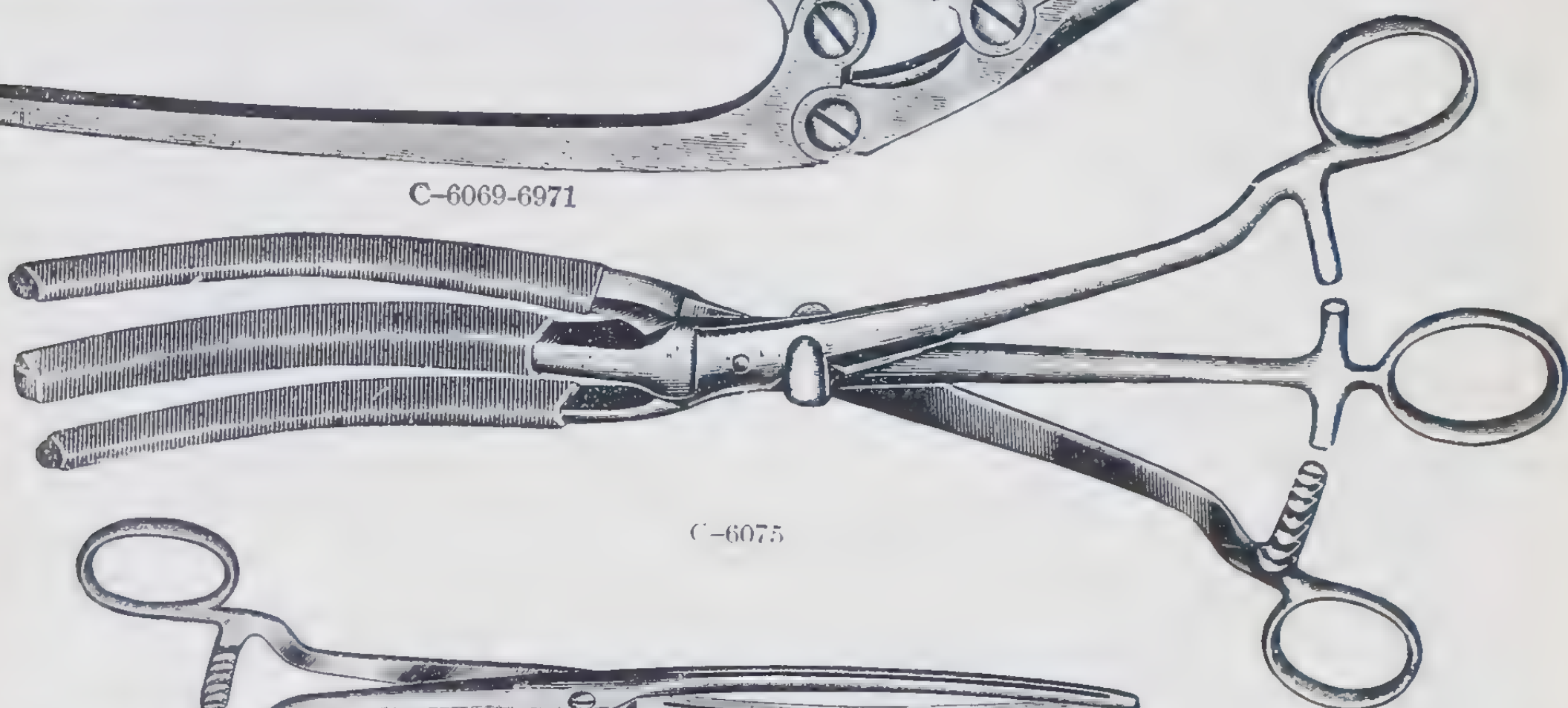
Stomach and Intestinal Clamps and Forceps (See also pages 82 and 83)

- C-6045 Linnartz', 3-bladed, intestinal.
- *C-6046 Linnartz', 3-bladed, gastro enterostomy.
- C-6050 Mayo-Robson's, 10 inches.
- *C-6055 Moynihan's, 11½ inches.
- C-6056 Moynihan's, 15 inches.
- *C-6057 Moynihan's, gastro enterostomy, 3 blades, 13 inches.
- *C-6060 O'Hara's, intestinal, set of 2.
- C-6065 Payr's, intestinal, straight, 9½ inches.
- C-6066 Payr's, intestinal, straight, 10½ inches.
- C-6067 Payr's, intestinal, curved, 9½ inches.
- C-6068 Payr's, intestinal, curved, 10½ inches.

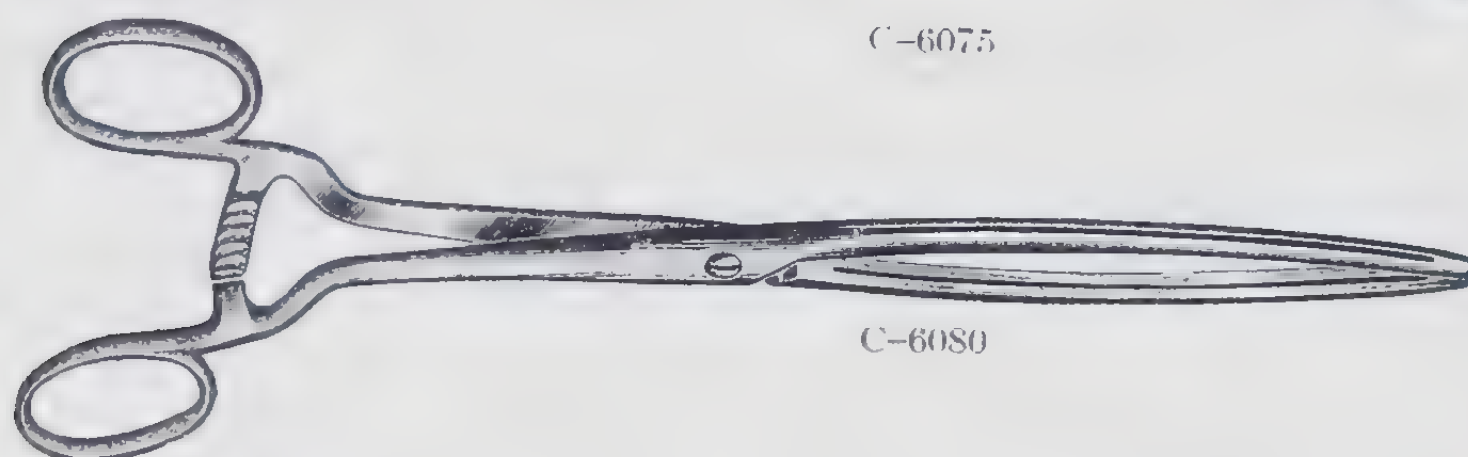
Intestinal and Marginal Forceps (see pages 82 and 83)



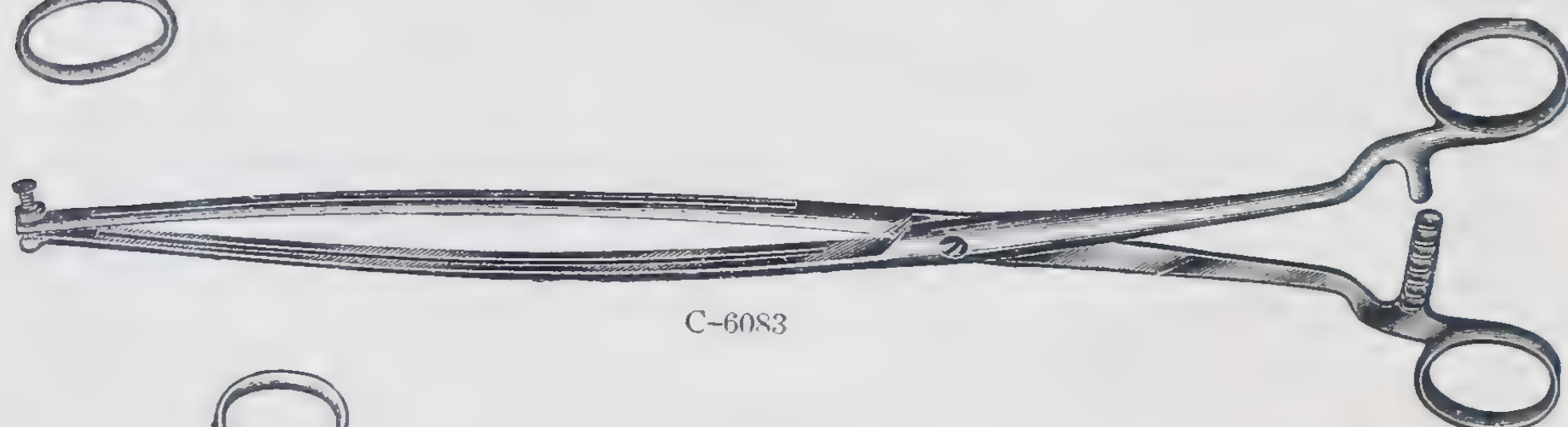
C-6069-6971



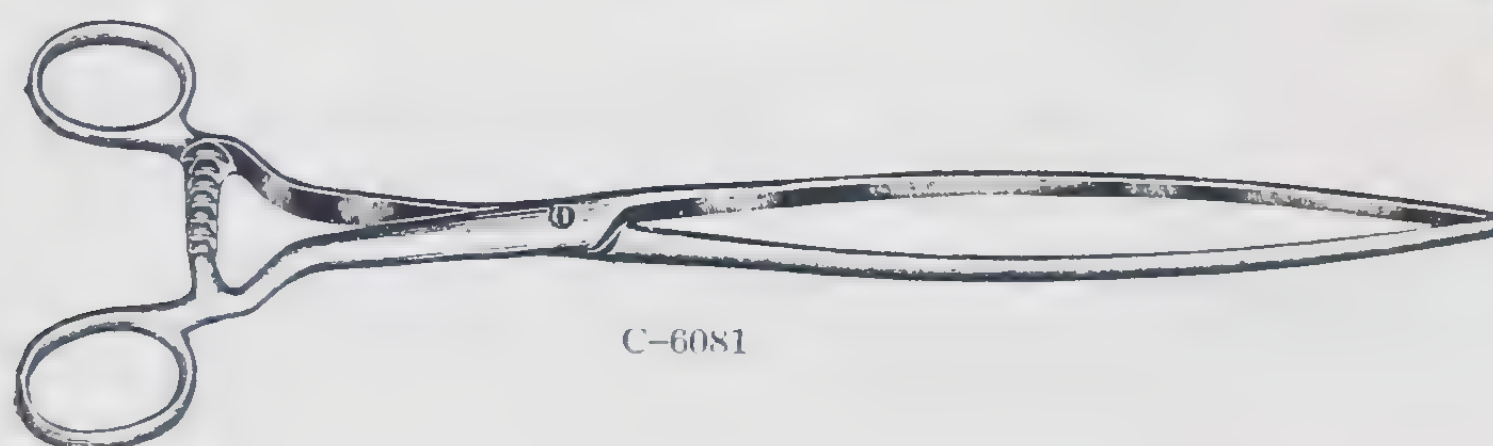
C-6075



C-6080



C-6083



C-6081

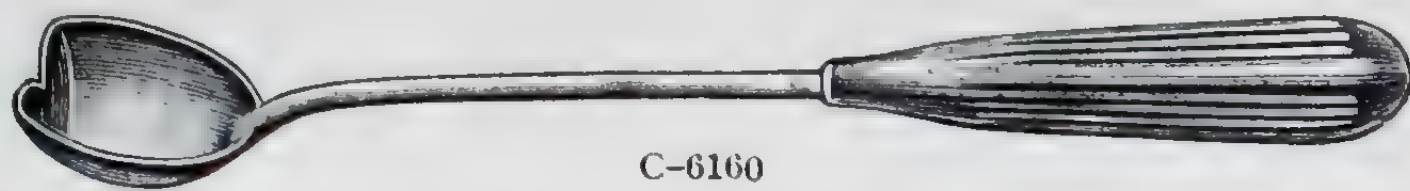
Stomach and Intestinal Clamps and Forceps

(See also pages 82 and 83)

- C-6069 Payr's, pylorus, 8 inches.
- C-6070 Payr's, pylorus, 11 inches.
- C-6071 Payr's, pylorus, 13 $\frac{3}{4}$ inches.
- C-6075 Roosevelt's, gastro enterostomy, 3 blades.
- C-6080 Scudder's, intestinal, fenestrated blades, 9 and 9 $\frac{3}{4}$ inches.
- C-6081 Scudder's, intestinal, solid blades, 9 $\frac{1}{2}$ and 13 inches.
- *C-6082 Scudder's, intestinal, inverted ring handles, 13 inches.
- C-6083 Scudder's, stomach, straight, fenestrated blades, 14 inches.
- *C-6084 Scudder's, stomach, curved, fenestrated blades, 14 inches.
- *C-6090 Thomas' (Lynn), 3 blades.

Intestinal and Marginal Forceps (see pages 82 and 83)

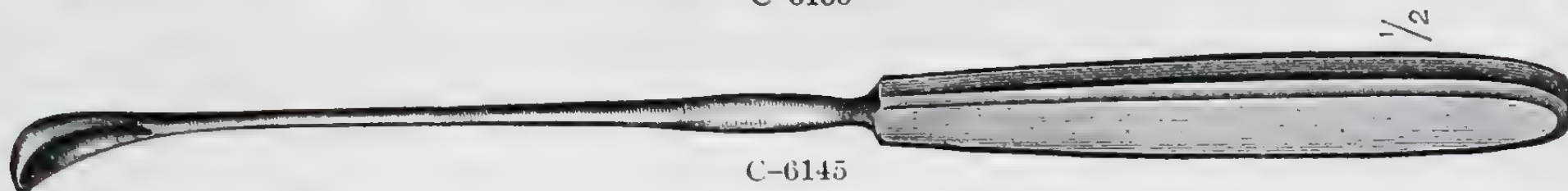
STANDARD SURGICAL INSTRUMENTS



C-6160



C-6150



C-6145



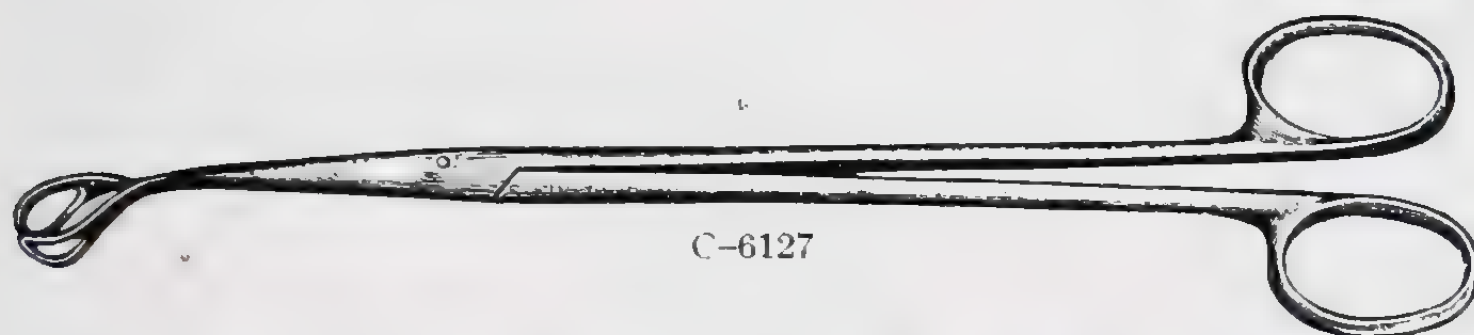
C-6155



C-6156



C-6125



C-6127



C-6115



C-6120

Intestinal Instruments

- *C-6100 Packer, **Kelly's**, trident.
- *C-6105 Replacer, **Richardson's**, bowel.
- *C-6110 Tucker, **Barrett's**, appendix.
- C-6115 Tucker, **Mayo-Boldt's**, for tucking the cuff of the appendix.
- C-6120 Tucker and Packer, **Mayo-Kelly's**.

Gall Bladder Instruments

- C-6125 Forceps, **Blake's**, straight.
- *C-6126 Forceps, **Blake's**, curved.
- C-6127 Forceps, **Blake's**, modified by Mayo.
- *C-6130 Forceps, **Collins'**, gall duct.
- C-6135 Probe, **Ochsner's**, spiral, gall duct.
- C-6140 Probe and Scoop, **Moynihn's**, block tin.
- C-6145 Scoop, **Desjardin's**.
- C-6150 Scoop, **Ferguson's**, double ended, 3 sizes.
- C-6155 Scoop, **Mayo's**, double ended, 1 size.
- C-6156 Scoop, **Mayo-Robson's**.
- C-6160 Spoon, **Moore's**, gall stone.
- *C-6165 Trocar, **Ochsner's**, for draining the gall bladder.



C-6140 C-6135



C-6197-6199

C-6195

C-6190

C-6196

C-6205

Gall Stone Forceps

- *C-6170 Stille's.
- *C-6175 Tait's.
- *C-6180 Wardlow's.

Nephrectomy Forceps

- C-6190 Guyon's, vessel clamp, serrated jaw.
- C-6195 Lower's, vessel clamp, rubber-covered jaws.
- C-6196 Lower's, elevating forceps.
- C-6197 Mayo's, vessel clamp, 8 inches.
- C-6198 Mayo's, vessel clamp, 8 $\frac{3}{4}$ inches.
- C-6199 Mayo's, vessel clamp, 9 $\frac{1}{2}$ inches.
- *C-6200 Sherk's, elevating (see page 320).
- C-6205 Stille's, vessel clamp.

Retractors (see pages 94 to 98)

Section "D"



Rectal

Prostatic

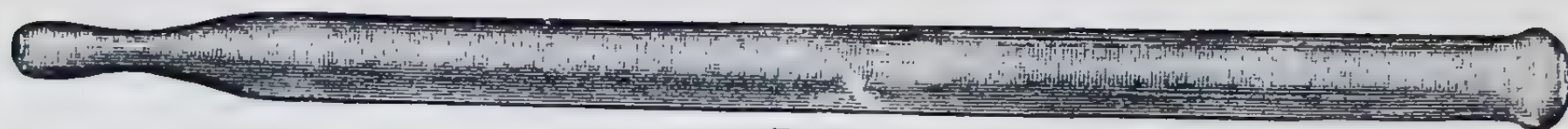
Phimosis

Vesical

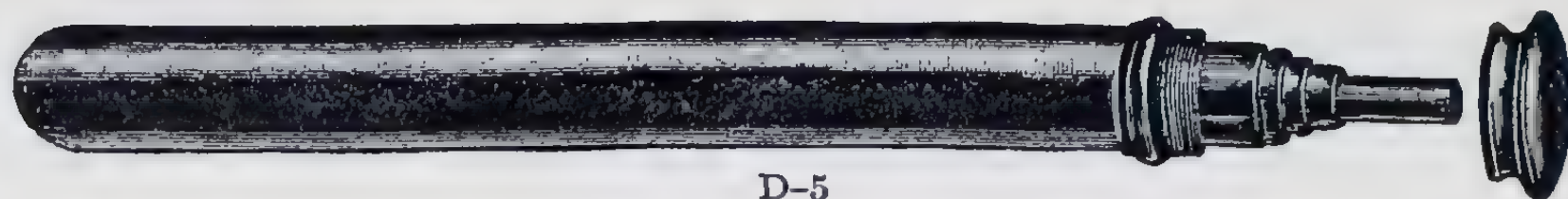
Urethral

Ureteral

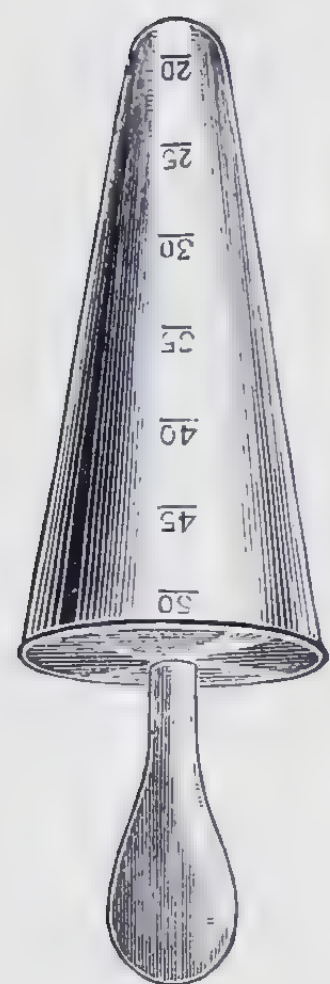
Instruments



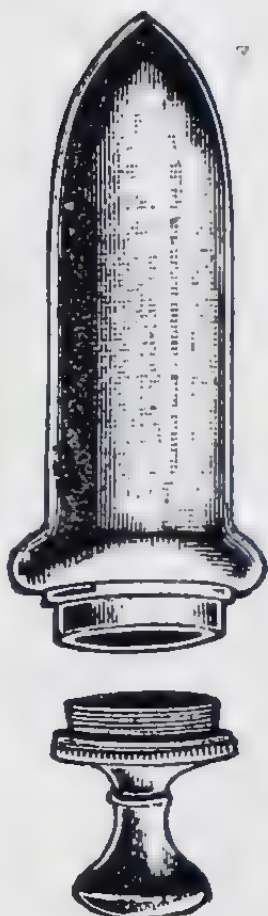
D-10



D-5



D-20



D-26



D-30



D-70



D-75



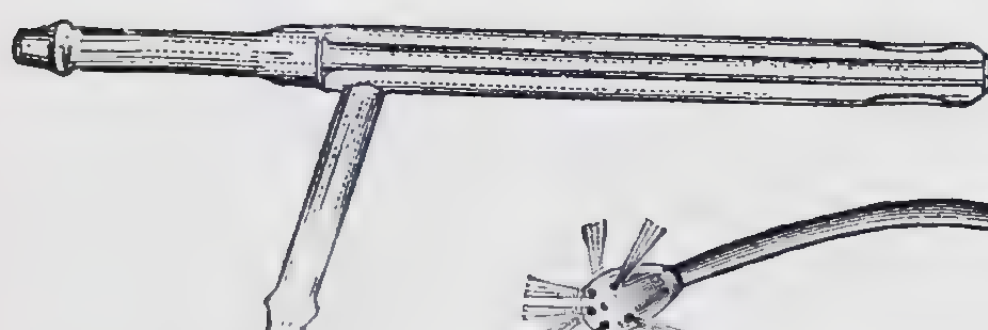
D-80



D-60



D-15



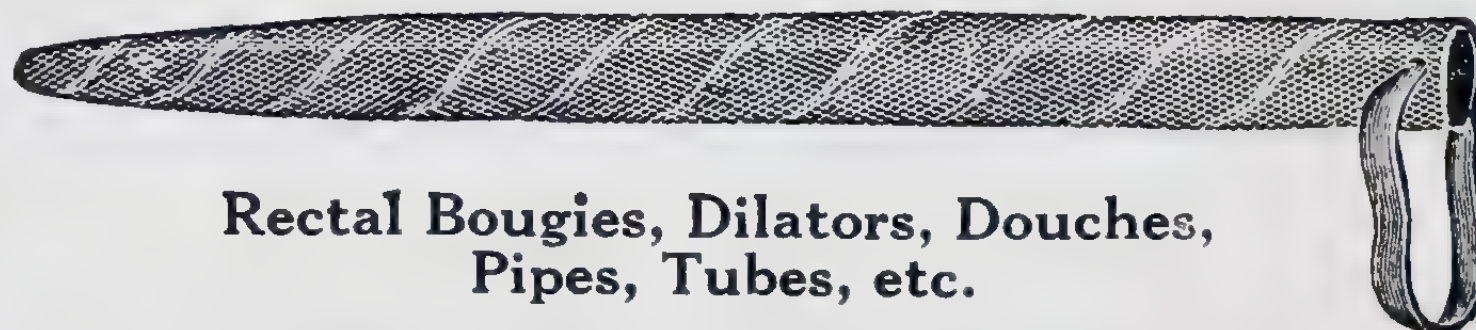
D-35



D-45



D-40



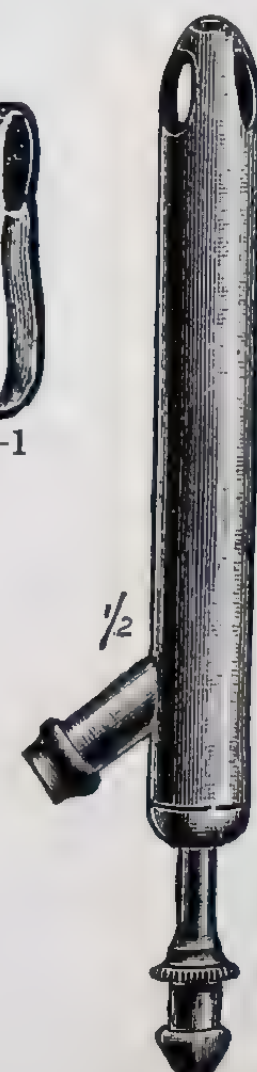
D-1

Rectal Bougies, Dilators, Douches, Pipes, Tubes, etc.

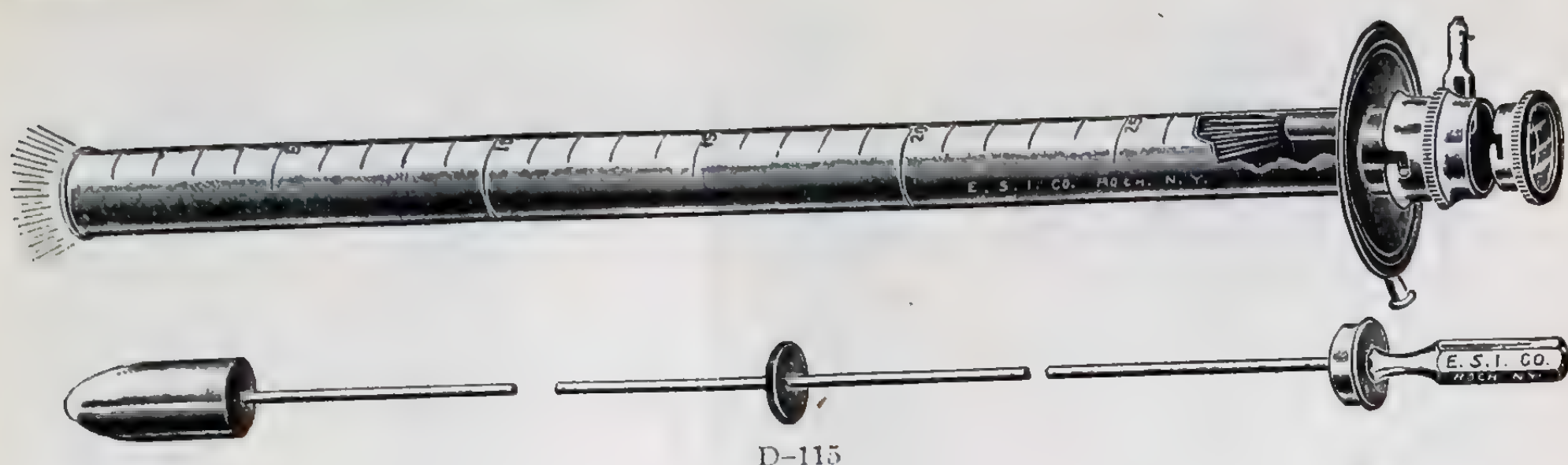
- D- 1 Bougie, rectal, elastic web, conical, cylindrical, olive point.
- D- 5 Bougie, rectal, hard rubber, set of 6, nested.
- D-10 Bougie, rectal, **Wales'**, soft rubber, olive point, Nos. 1-12.
- D-15 Dilator, glass, 3 sizes.
- D-20 Dilator, **Kelly's**, conical, sphincter.
- *D-25 Dilator, **Pratt's**, plain, metal, 6 sizes, Nos. 0-5.
- D-26 Dilator, **Pratt's**, screw top, Nos. 0-5.
- *D-27 Dilator, **Pratt's**, with inlet and outlet, Nos. 0-5.
- D-30 Dilator, **Young's**, hard rubber, 4 sizes.
- *D-31 Dilator, **Young's**, Perfection, hard rubber, 4 sizes.
- D-35 Douche, **Chetwood's**, glass.
- D-40 Douche, **Cole's**, sigmoid.
- D-45 Douche, **Guitera's**, metal.
- *D-50 Douche, **Kemp's**, glass.
- D-51 Douche, **Kemp's**, metal.
- D-55 Douche, **Martin's**, metal.
- D-60 Pile Pipe, **Bolton's**, hard rubber.
- *D-65 Pile Pipe, plain, hard rubber.
- D-70 Pile Pipe, **Seeley's**, for ointment.
- D-75 Rectal Tube, metal, spiral, 2 sizes.
- D-80 Rectal Tube, soft rubber, open end or closed end.



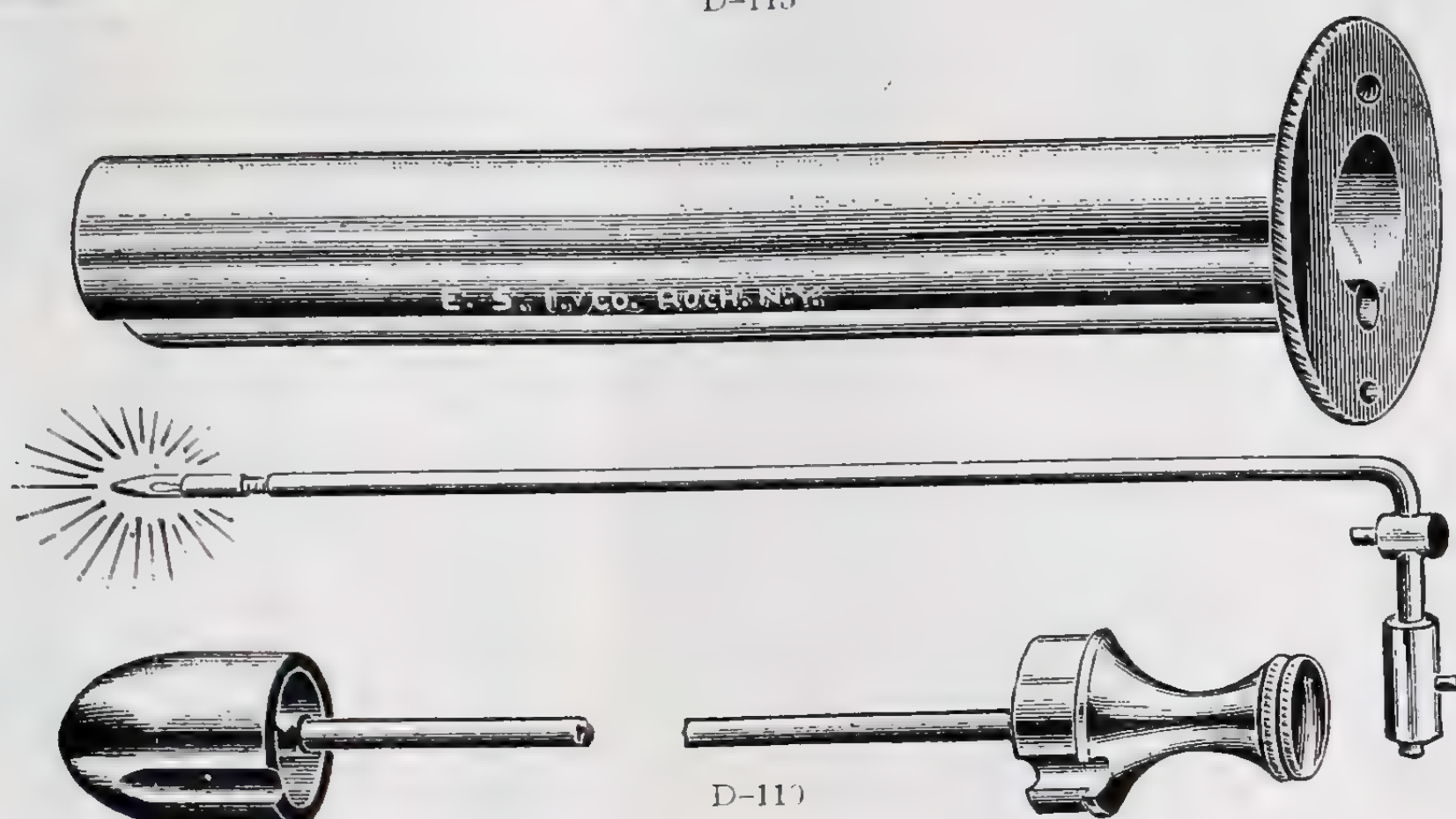
D-51



D-55



D-115



D-110

Proctoscopes

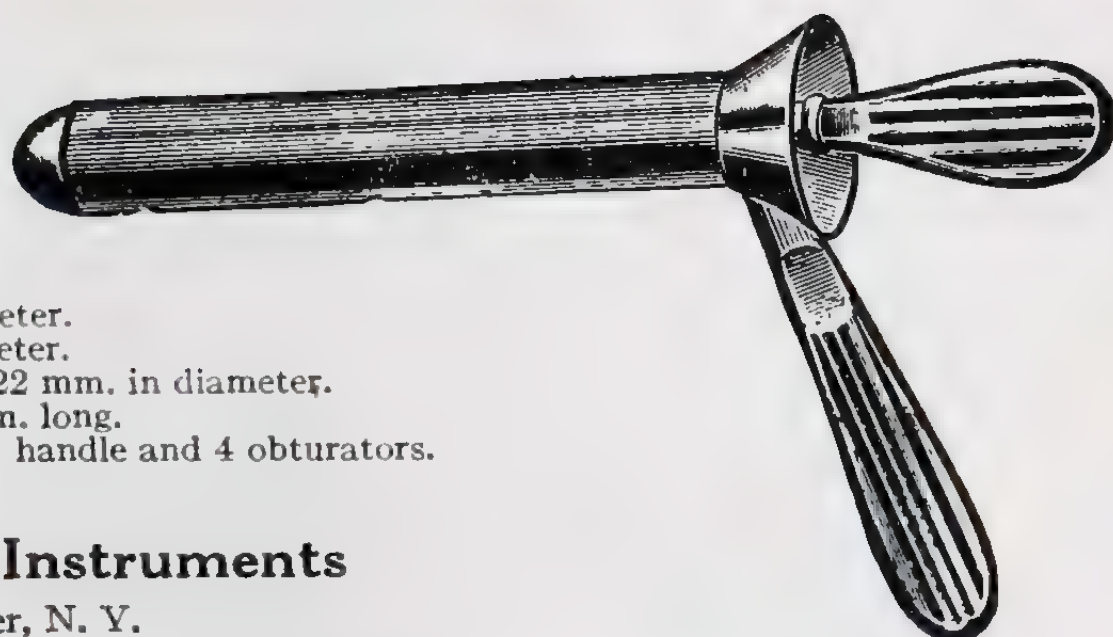
- D-100 Kelly's, 14 cm. long, 22 mm. in diameter.
- D-101 Kelly's, 20 cm. long, 22 mm. in diameter.
- *D-102 Kelly's, sigmoidoscope, 43 cm. long, 22 mm. in diameter.
- D-103 Kelly's, sphincteroscope, conical, 5 cm. long.
- *D-105 Murphy's, set of 4, telescopic, with 1 handle and 4 obturators.

Electrically Lighted Rectal Instruments

Made by the E. S. I. Co. of Rochester, N. Y.

- D-110 The E. S. I. Co. Proctoscope, complete with light carrier. Made in Nos. 45, 50, 55, 60 and 65 French scale, and in three lengths, 8, 15 and 20 cm.
- D-115 The Jerome M. Lynch Procto-Sigmoidoscope, complete with obturator, light attachment, window, dilating bulbs and extra lamp. 65 French scale, 3 lengths, 5 cm., 10 cm. and 30 cm.
- D-116 Extra lamps, E. S. I. Co. No. 7
- *D-120 The Jas. P. Tuttle Operating Proctoscope, complete with light carrier, one extra lamp and interchangeable handles. Made in one size, 29 mm. in diameter, 15 cm. long.
- *D-121 The Jas. P. Tuttle Pneumatic Procto-Sigmoidoscope, complete with obturator, interchangeable window, light carrier with one extra lamp, dilating bulbs and detachable handle. 57 French scale, 2 lengths, 4 inches and 10 inches.
- D-122 Extra lamps, E. S. I. Co. No. 3
- *D-125 Brinckerhoff's Rectal Speculum, 3 sizes, complete with light carrier.
- D-126 Extra lamps, E. S. I. Co. No. 2
- *D-130 Cook's Rectal Speculum, complete with light carrier.
- *D-135 Pratt's Rectal Speculum, complete with light carrier.
- D-136 Extra lamps for D-130 and 135, E. S. I. Co. No. 1

Complete illustrated descriptive catalogue of electrically lighted rectal instruments made by the Electro Surgical Instrument Co. sent on request.

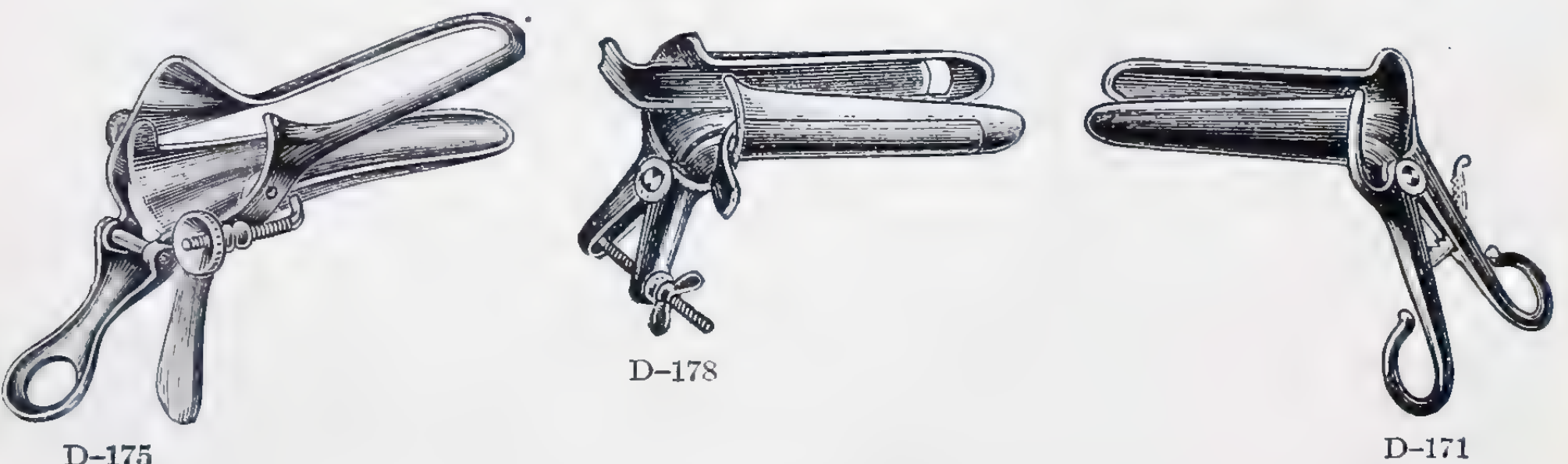
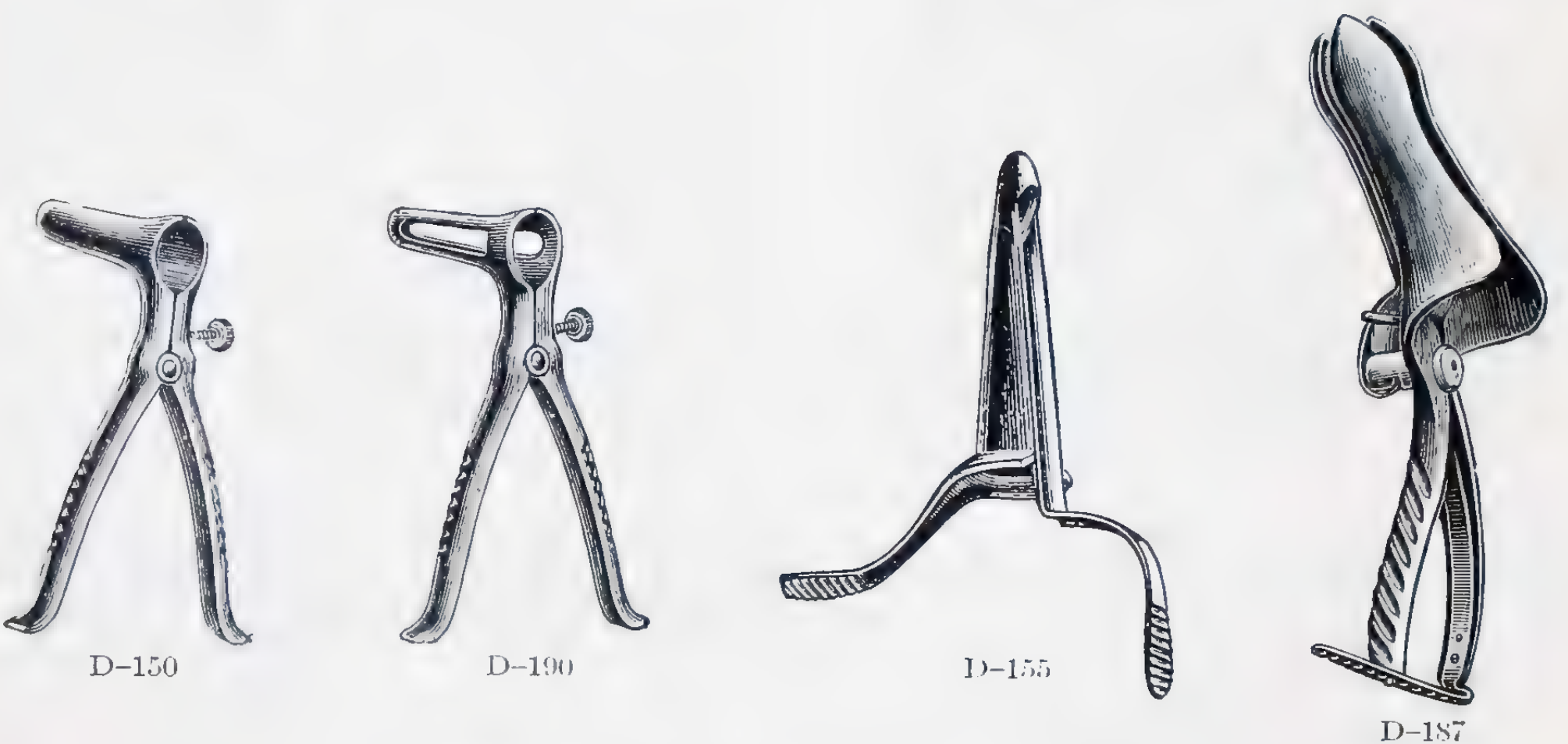
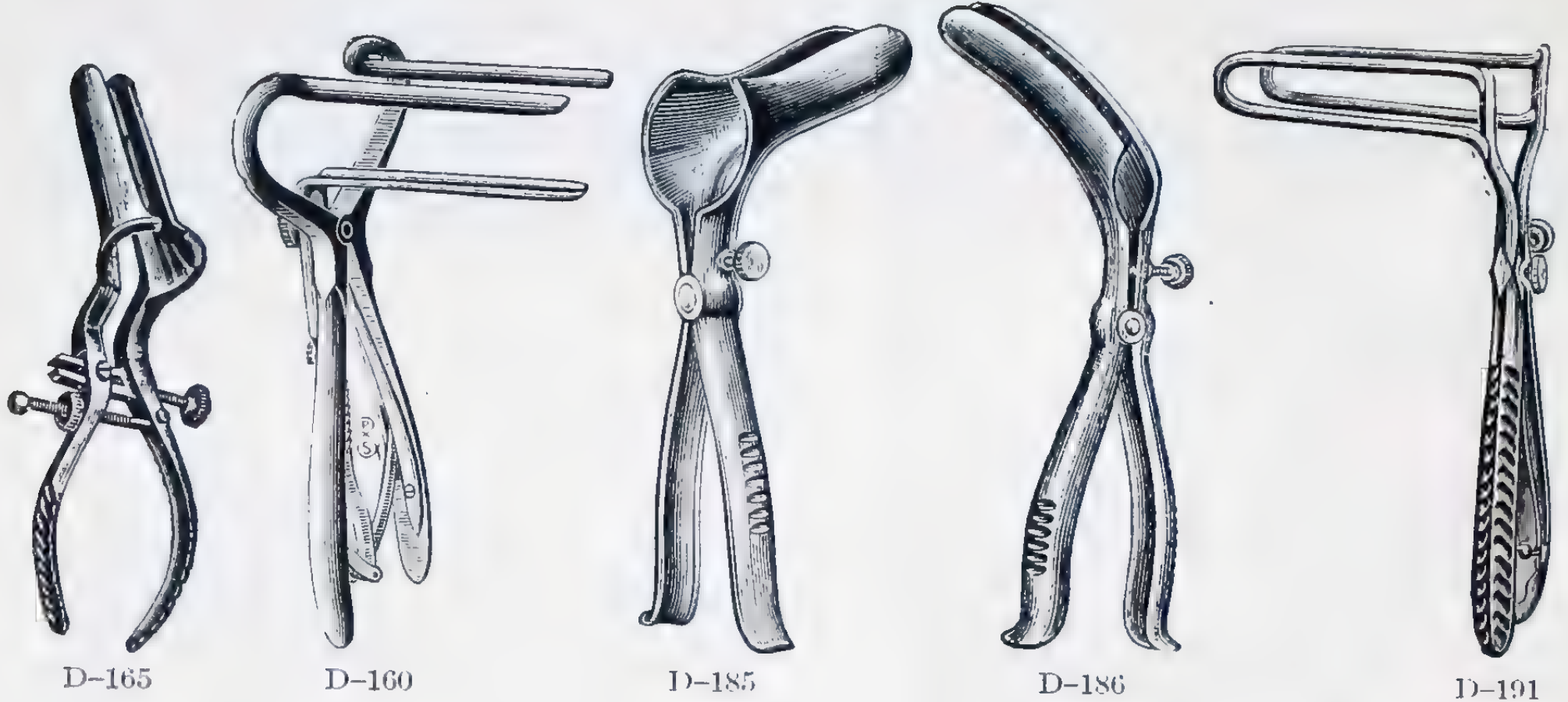


D-100-101



D-103

STANDARD SURGICAL INSTRUMENTS



Rectal Specula

- D-150 **Bodenhammer's.**
- D-155 **Brinckerhoff's, 3 sizes.**
- D-160 **Cook's, forged steel.**
- D-165 **De Vilbiss', opening parallel.**
- *D-170 **Gant's, operating.**
- D-171 **Gant's, plain.**
- *D-172 **Gant's, fenestrated.**
- D-175 **Kelsey's, folding handles.**

- D-178 **O'Neil's, fenestrated, with slide.**
- *D-180 **Plain, bivalve, hinged.**
- D-185 **Pratt's, small and large.**
- D-186 **Pratt's, sigmoid.**
- D-187 **Pratt's, trivalve.**
- D-190 **Sim's, plain.**
- D-191 **Sim's, fine steel, fenestrated blades.**



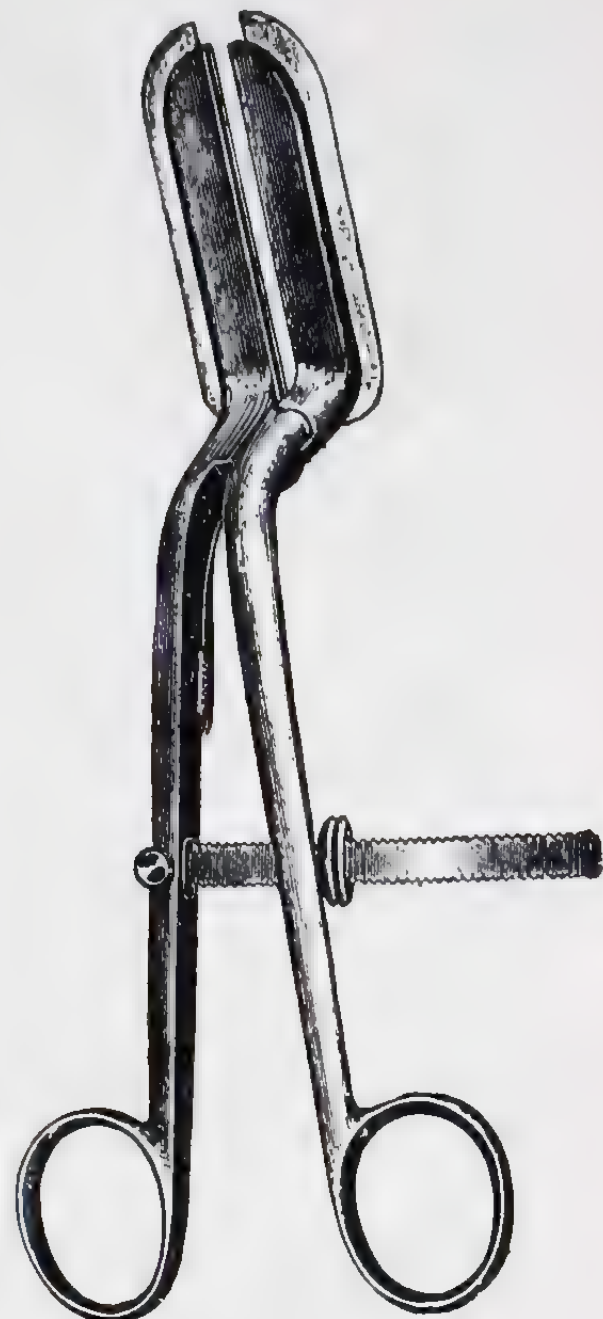
D-200



D-225



D-215



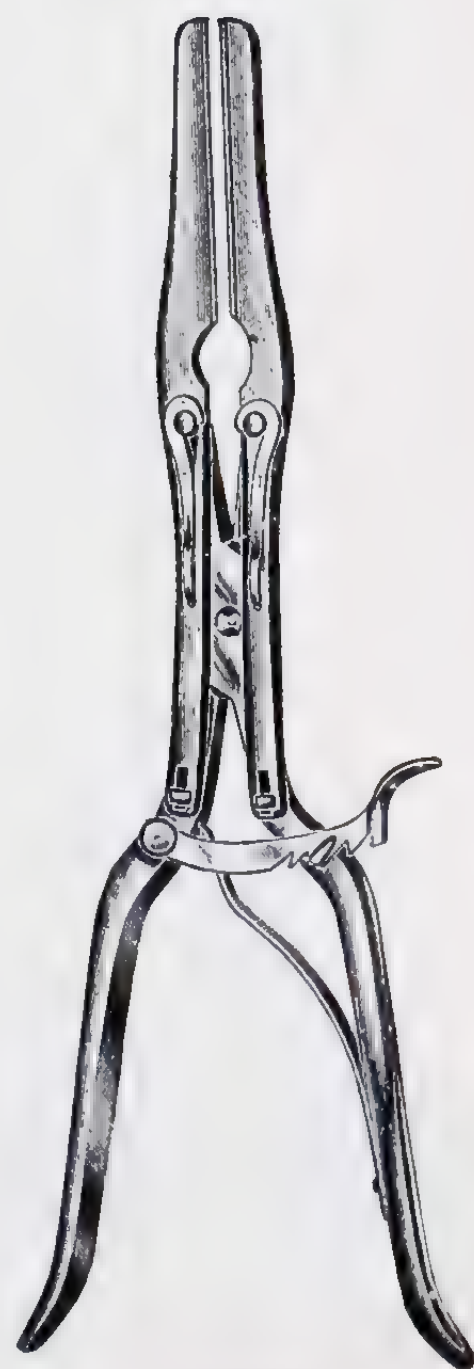
D-220

Haemorrhoidal Clamps

- D-200 Cook's.
- *D-205 Earle's, angular on flat.
- *D-210 Gant's, steel.
- D-215 Jarvis'.
- D-220 Jones', ivory faced.
- D-225 Kelsey's.
- *D-230 Linn's, curved on edge.
- D-235 McLain's.
- *D-240 Matthew's.
- *D-245 Mathieu's, ivory faced blades.
- D-250 Murray's, parallel pressure.
- *D-255 Smith's, ivory faced blades.

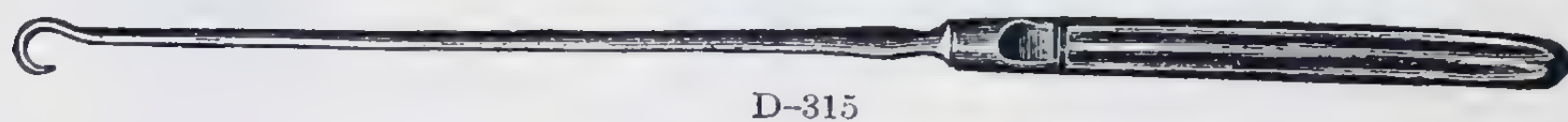


D-235



D-250

STANDARD SURGICAL INSTRUMENTS



D-315



D-311



D-270

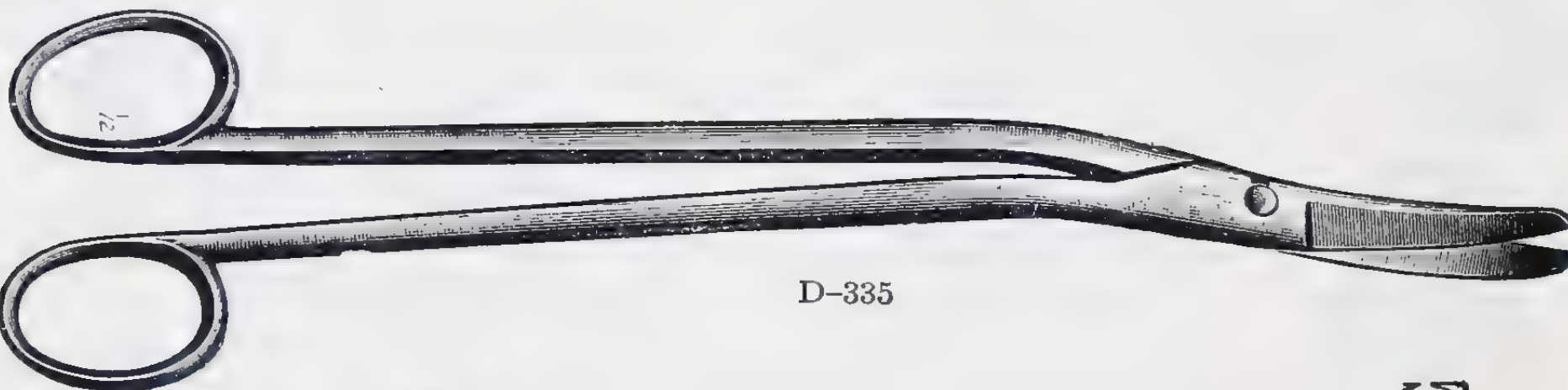


D-320

D-340



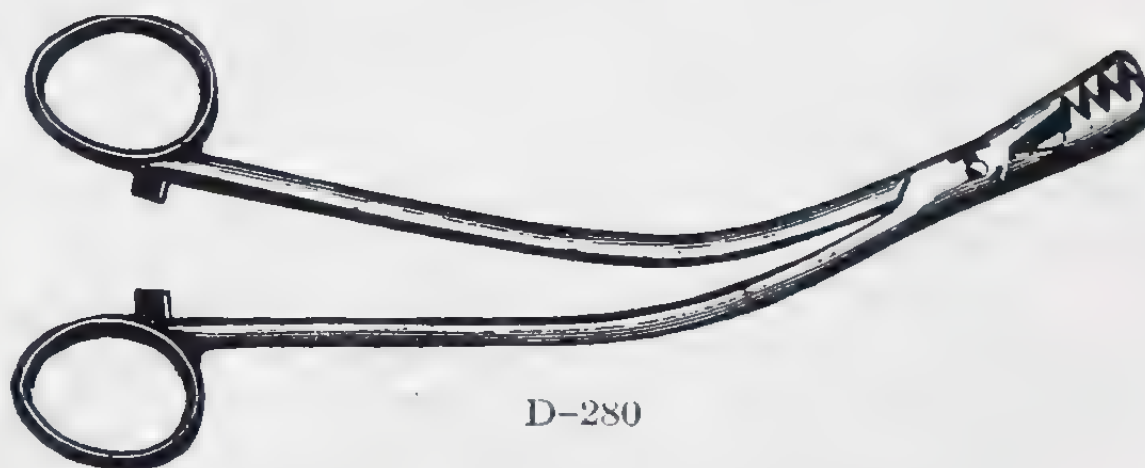
D-275



D-335



D-330



D-280



D-306

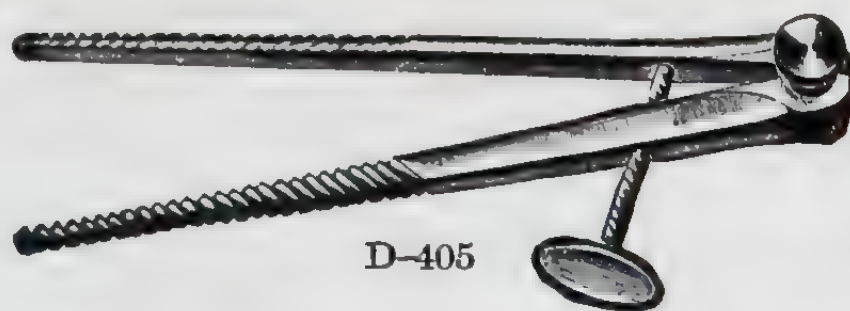
Sundry Rectal Instruments

- *D-265 Applicator, **Kelly's**.
- D-270 Curette, **Kelly's**.
- D-275 Fistulatome, **Matthew's**.
- D-280 Forceps, **Gant's**.
- *D-285 Forceps, **Kelly's**, with alligator jaw.
- *D-290 Forceps, **Pratt's**, packing.
- *D-295 Forceps, **Pratt's**, T-shaped, straight.
- *D-300 Forceps, **Pratt-Smith's**, T-shaped, straight.
- *D-305 Forceps, **Tuttle's**, dressing.
- D-306 Forceps, **Tuttle's**, pile.
- *D-310 Hook, **Edwards'**, sharp.
- D-311 Hook, **Edwards'**, blunt.
- D-315 Hook, **Pratt's**, sharp.
- *D-316 Hook, **Pratt's**, blunt.
- D-320 Needle, injecting, with guard.
- *D-325 Probe, plated, with handle.
- *D-326 Probe, silver, with handle.
- D-330 Scissors, **Murray's**, curved on flat, with Mayo dissecting blades, 5½ inches and 6½ inches.
- D-335 Scissors, **Pratt's**, improved.
- D-340 Sponge Holder, **Kelly's**.

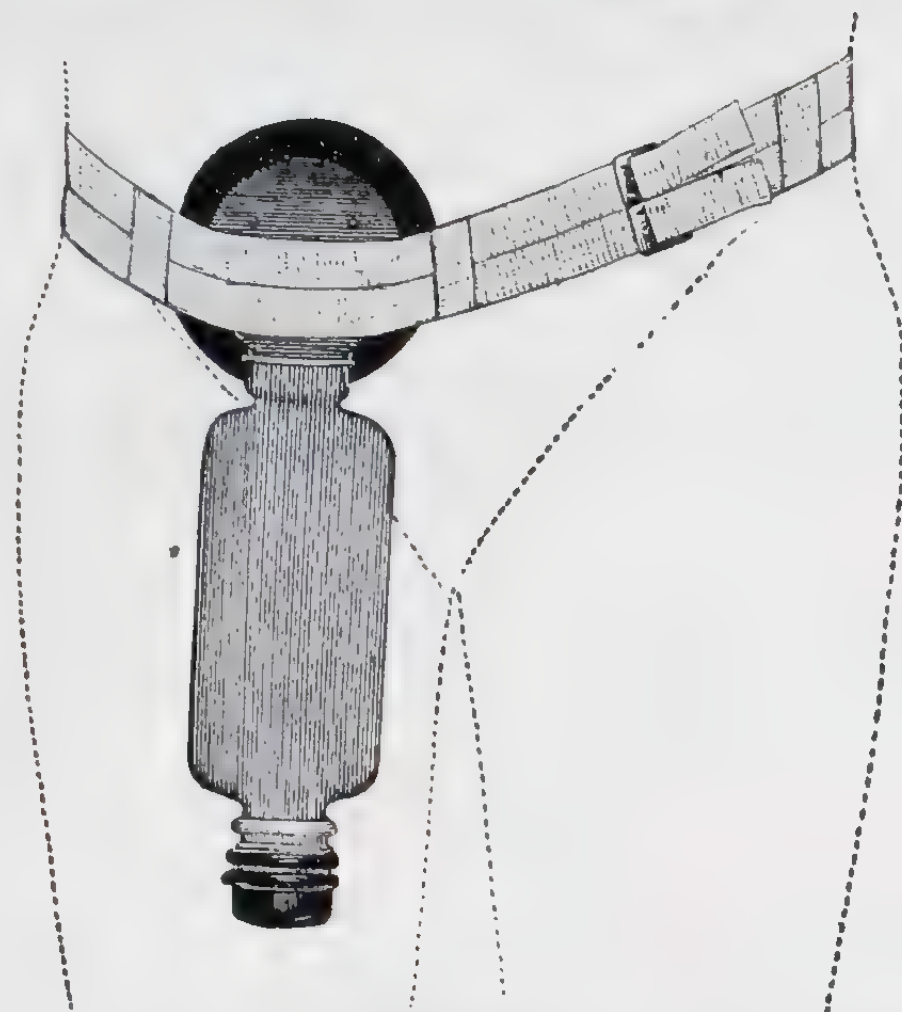


D-395

FULL
SIZE



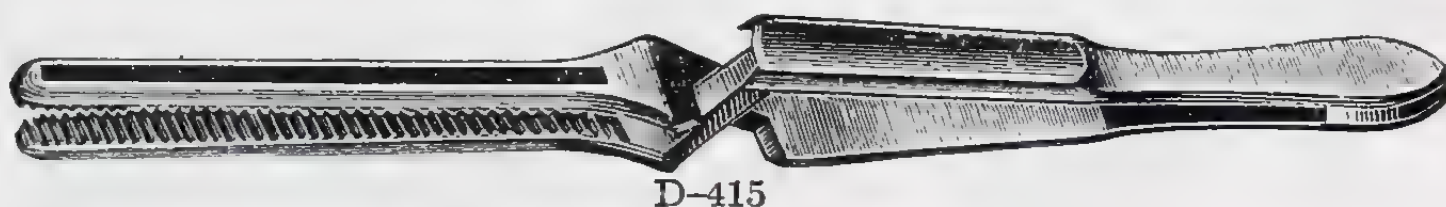
D-405



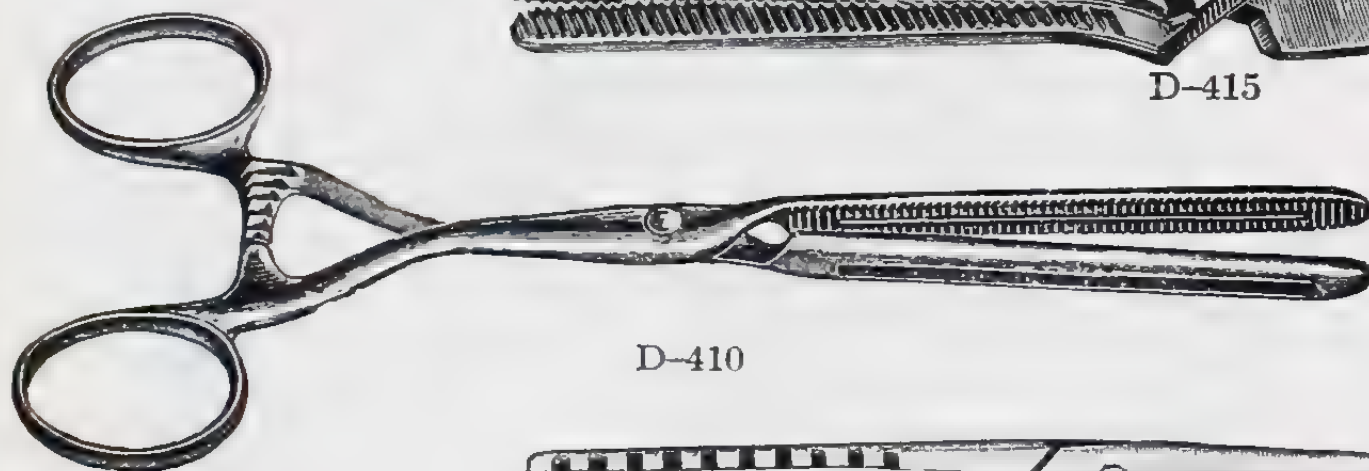
D-355-356



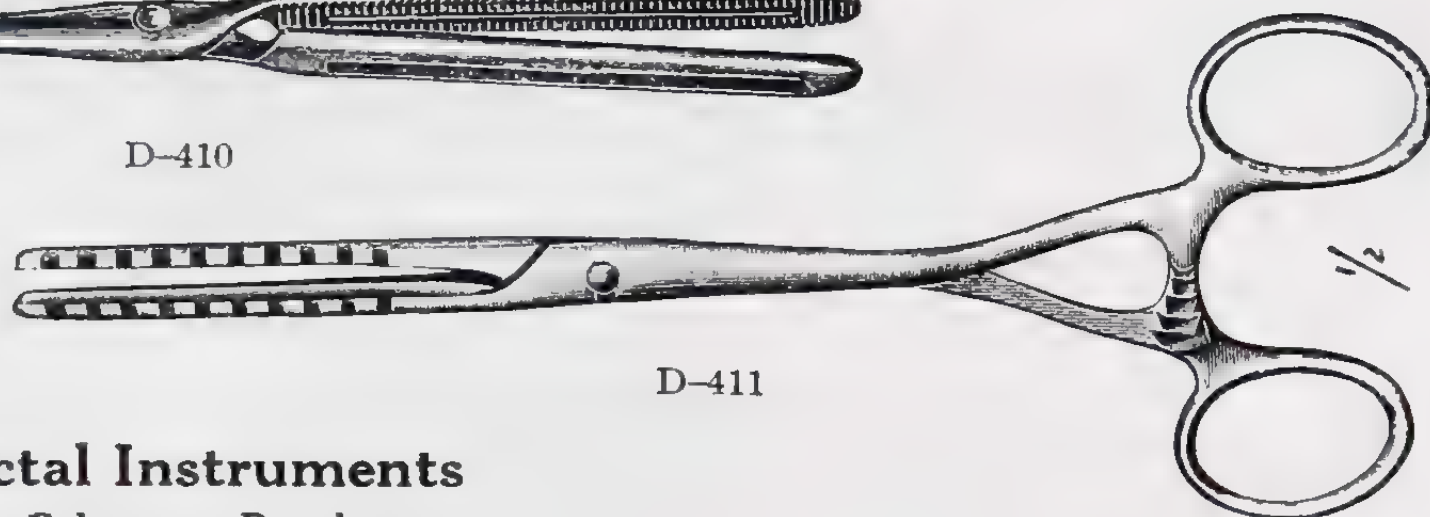
D-396



D-415



D-410



D-411

Rectal Instruments

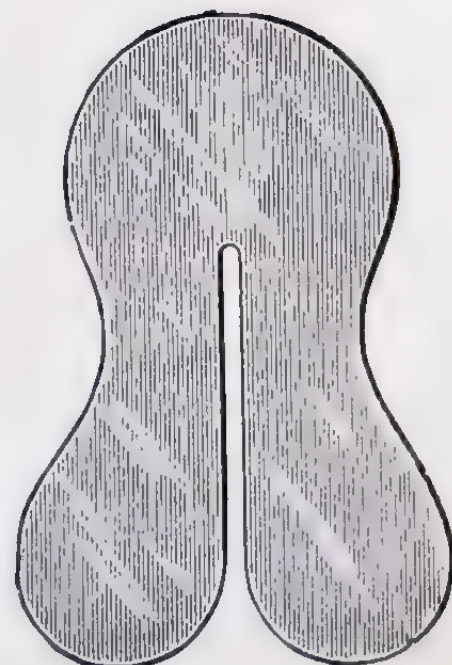
Colostomy Pouches

- *D-350 French pattern, for left side.
- *D-351 French pattern, for either side.
- D-355 **Hofstetter's**, made entirely of soft rubber, clings close to body preventing any leak, the most satisfactory device made. Complete with one pouch.
- D-356 **Hofstetter's**, extra colostomy pouches with hard rubber caps.

Urethral Instruments

Phimosis Forceps

- *D-380 **Baird's**, 3 sizes.
- *D-385 **Briggs'.**
- *D-390 **Girdner's**, prepuce dilator.
- D-395 **Haslam's**, straight, for bloodless operation.
- D-396 **Haslam's**, curved, for bloodless operation.
- *D-400 **Knox's.**
- D-405 **Levis'**, prepuce dilator.
- D-410 **Ricord's.**
- D-411 **Ricord-Tortat's.**
- D-415 **Skillern's**, straight.
- *D-416 **Skillern's**, curved.
- D-420 **Shield**, circumcision.



D-420



Urethral Endoscopes

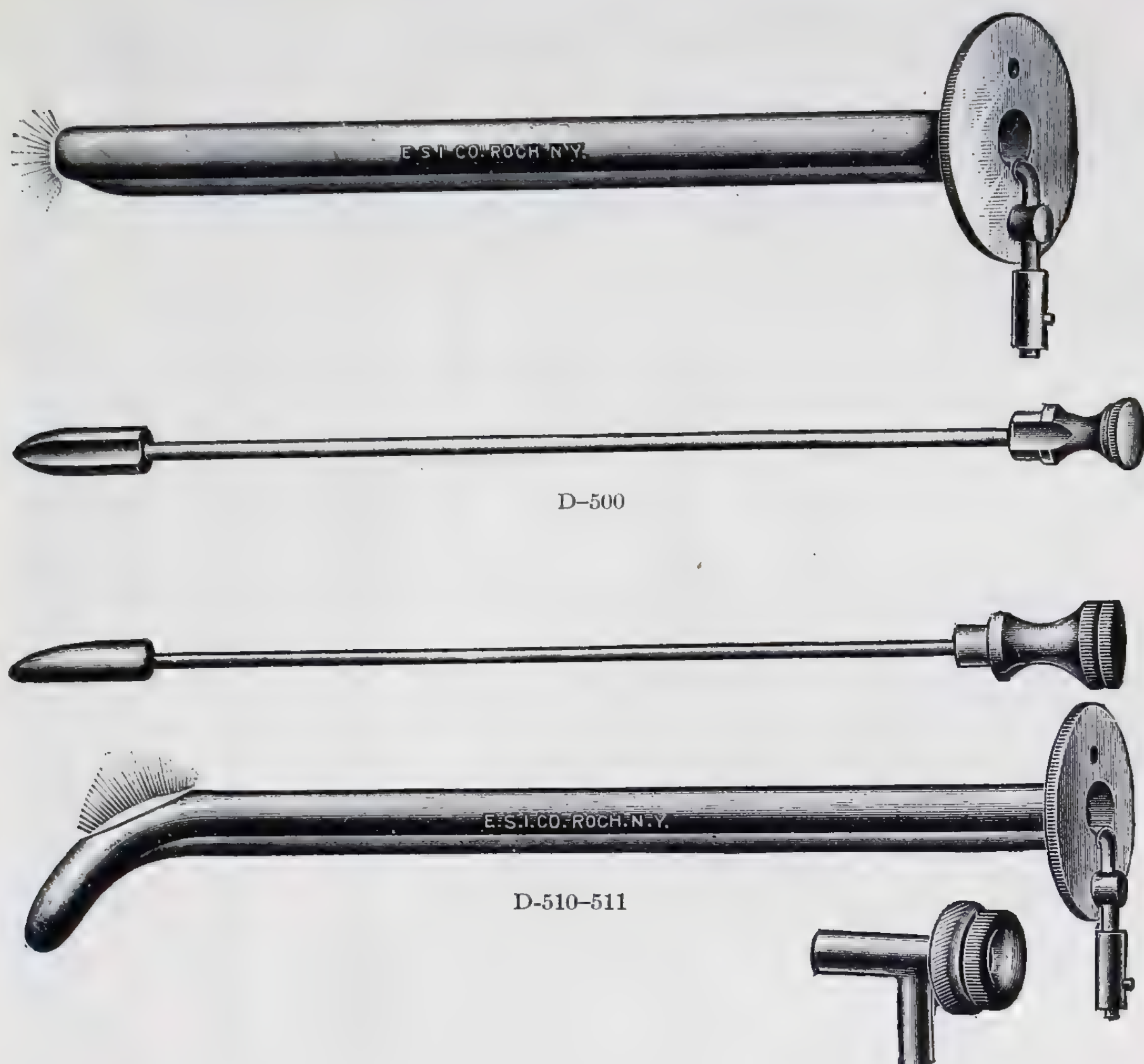
- D-430. **Kelly's** electrically lighted, 3 sizes, 28, 30 and 32 French scale, complete with obturator and light carrier.
 D-431. Extra lamps, **E. S. I. Co.** No. 2.
 *D-435. **Kelly-Gargean's**, with drain.
 D-436. **Kelly's**, 16 sizes, 5 to 20 mm. in diameter.
 D-437. **Kelly's**, oblique end, 16 sizes, 5 to 20 mm. in diameter.
 D-440. **Klotz's**, plated, sizes Nos. 20, 24 and 26 French.
 D-441. **Klotz's**, silver, sizes Nos. 20, 22, 24 and 26 French.
 *D-445. **Otis'**, plated, sizes Nos. 20, 22, 24 and 26 French..

Urethral Specula

- D-450. **Brown's**.
 D-455. **Caro's**, short or long.
 D-460. **Farka's**.
 D-465. **Pratt's**.
 D-470. **Sampson's**.
 D-475. **Skene's**, bivalve.
 *D-480. **Smith's**, urethroscope.



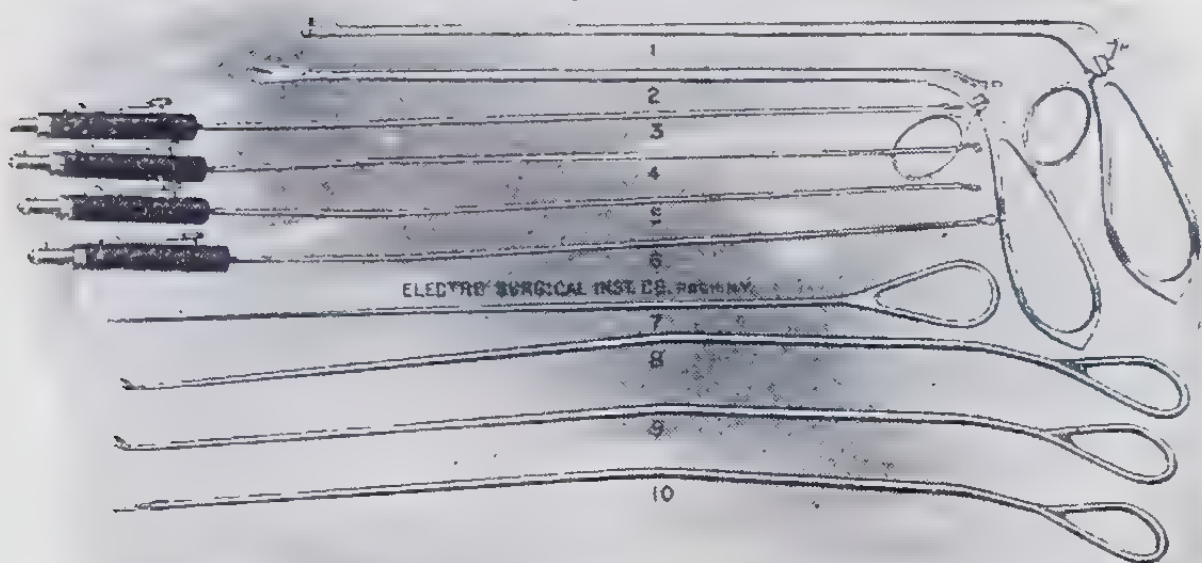
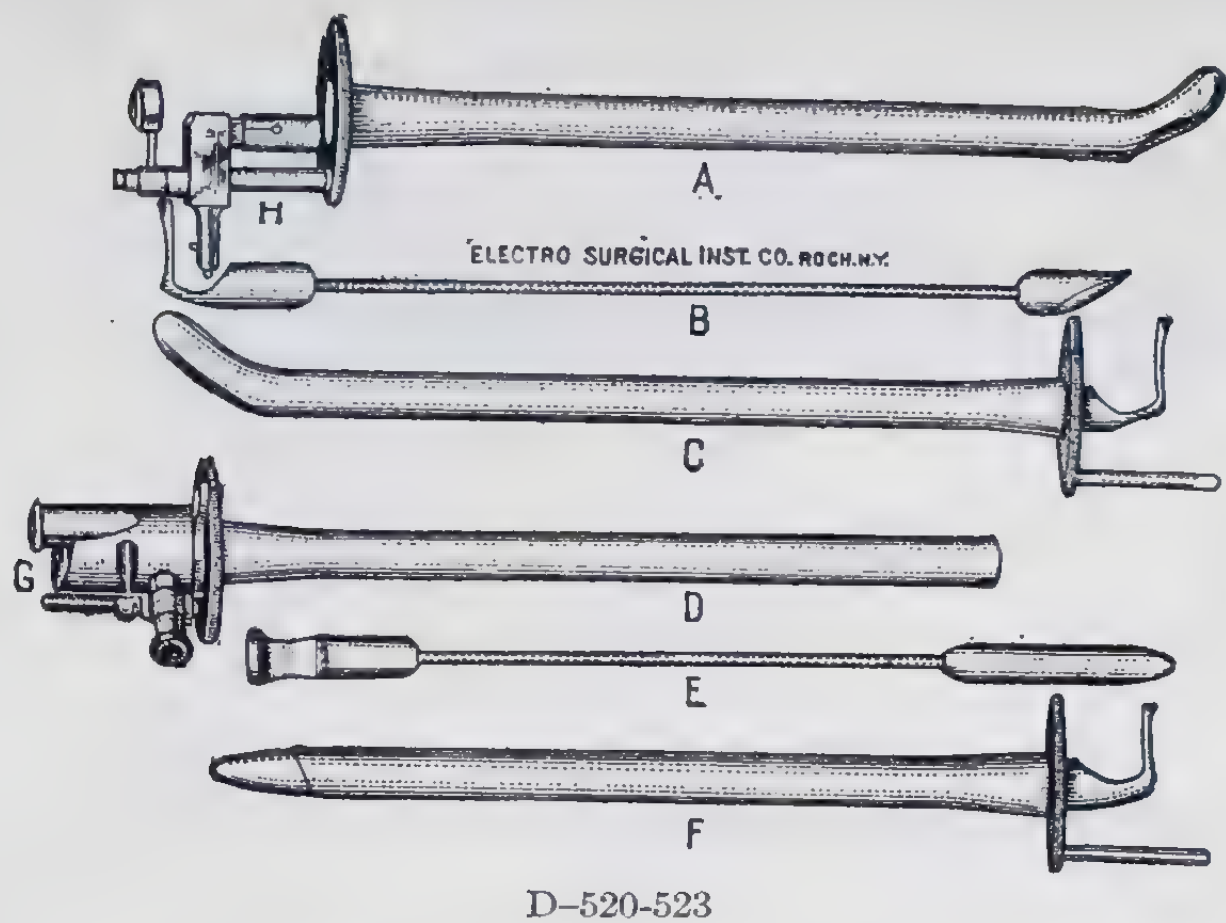
D-440-441



Urethrosopes, Electrically Lighted

- D-500 **Koch's**, E. S. I. Co., complete, sizes, 18 to 33 French, 8, 12, or 15 cm. length.
- *D-501 Extra light carrier only for above.
- *D-502 Extra lamps for above. **E. S. I. Co. No. 2.**
- *D-505 **McGowan's**, E. S. I. Co., with aspirating tube, complete, sizes 22 and 24 French, 12 or 15 cm. length.
- *D-506 Extra light carrier for above.
- *D-507 Extra lamps for above. **E. S. I. Co. No. 2.**
- D-510 Swinburne's, posterior, E. S. I. Co., complete, with obturator and light carrier, sizes 22, 24 and 26 French, 16 cm. length.
- D-511 Swinburne's, posterior, same as above, but with window and dilating bulb.
- *D-512 Extra light carrier for above.
- *D-513 Extra lamps for above. **E. S. I. Co. No. 2.**

Illustrated descriptive catalogue of all electrically lighted instruments made by the Electro Surgical Instrument Co. furnished on request.



Urethroscopes, Electrically Lighted

- D-515 **Braasch's**, with median bar excisor, **E. S. I. Co.**, size 26 French, 17 cm. long, complete with extra lamp.
- D-516 **Braasch's**, same as above, complete in leather case.
- D-517 Extra cutting tubes for above.
- *D-518 Dilating bulb for above.
- *D-519 Extra lamps for above. **E. S. I. Co.** No. 11.
- D-520 **Young's** Urethroscope, **E. S. I. Co.**, straight, sizes 26 and 28 French, plated or silver, Figs. D, E, F.
- D-521 **Young's** Urethroscope, beaked, sizes 26 and 28 French, plated or silver, Figs. A, B, C.
- D-522 **Young's** Light Attachment, Fig. H.
- D-523 **Young's** Dilating Window, Fig. G.
- *D-524 Extra lamps for above. **E. S. I. Co.** No. 4.
- *D-525 **Young's**, median bar excisor, complete with light attachment.
- *D-526 **Young's** Median Bar Excisor, same as above, in leather case.
- *D-527 Extra cutting tubes for above.
- D-535 **Young's** Intra-Urethral Rongeur, Fig. 1.
- D-536 **Young's** Intra-Urethral Scissors, Fig. 2.
- D-538 **Young's** Intra-Urethral Cautery Electrodes, Figs. 3, 4, 5 and 6.
- D-539 **Young's** Intra-Urethral Probe, Fig. 7.
- D-540 **Young's** Intra-Urethral Curettes, Figs. 8 and 9.
- D-541 **Young's** Intra-Urethral Porte Caustique, platinum jaws, Fig. 10.

Illustrated descriptive catalogue of all electrically lighted instruments made by the Electro Surgical Instrument Co. furnished on request





D-580



D-585



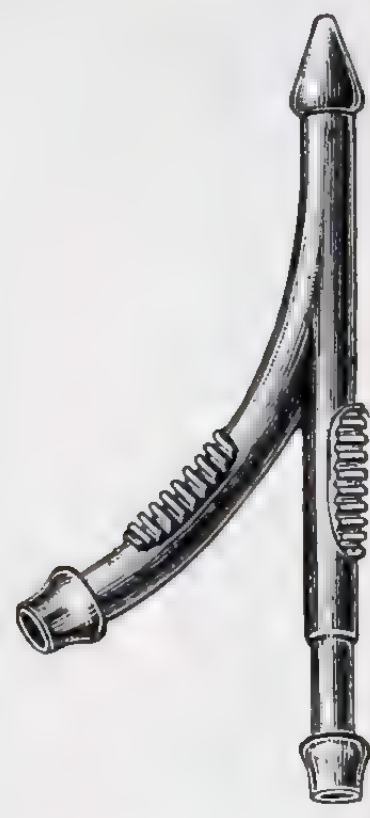
D-560



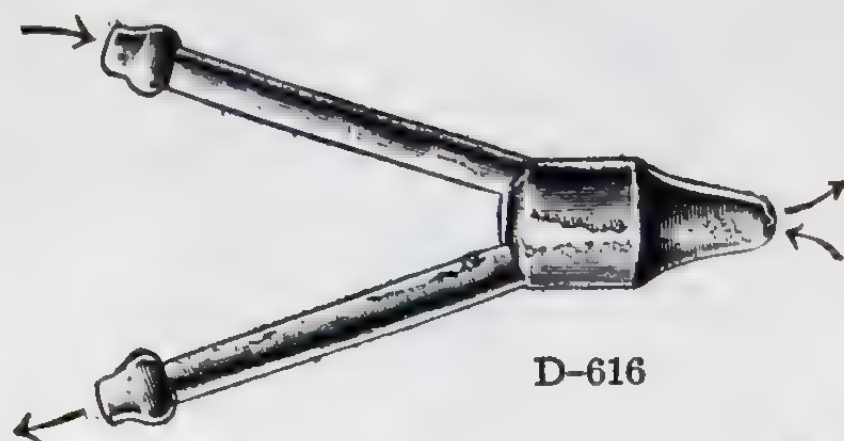
D-610



D-600



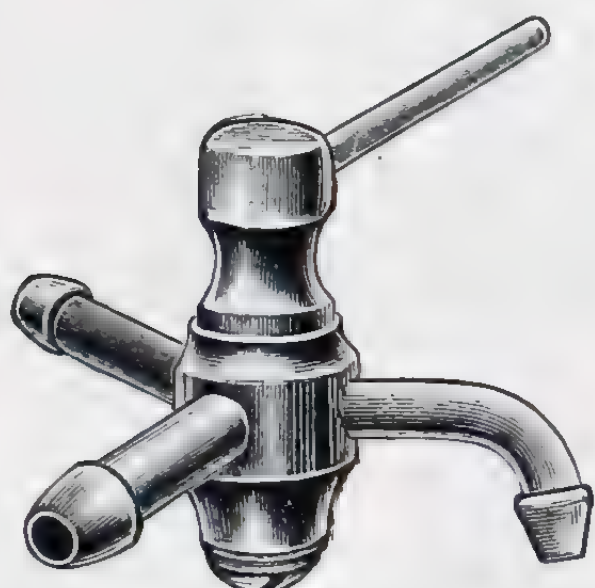
D-620



D-616



D-575



D-630



D-605



D-655



D-576

Urethral Applicators

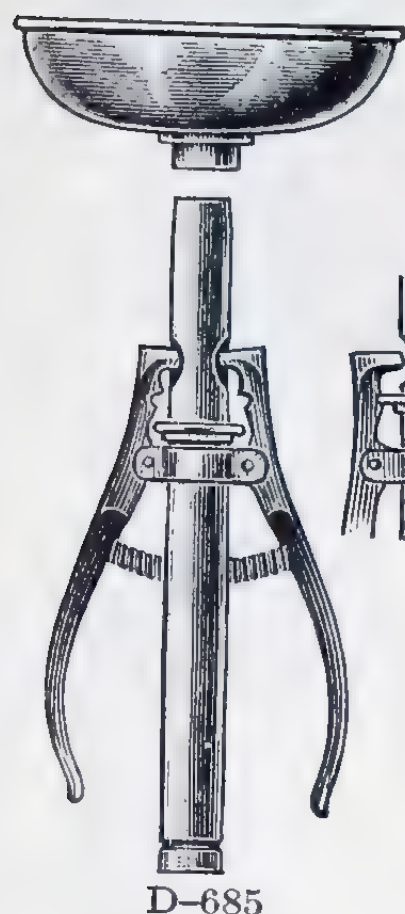
- *D-555 Ayer's, tablet depositor.
- D-560 Guyon's Catheters, drop tube.
- *D-565 Lewis's, tablet depositor.
- *D-570 Mitchell's, for medicated bougies.
- D-575 Robbins', ointment, with 1 straight and 1 curved tube.
- D-576 Robbins', ointment, with short curve and prostatic tube.
- D-580 Rucker's, gauze packer.
- D-585 Young's, ointment.

Urethral Nozzles, Irrigator

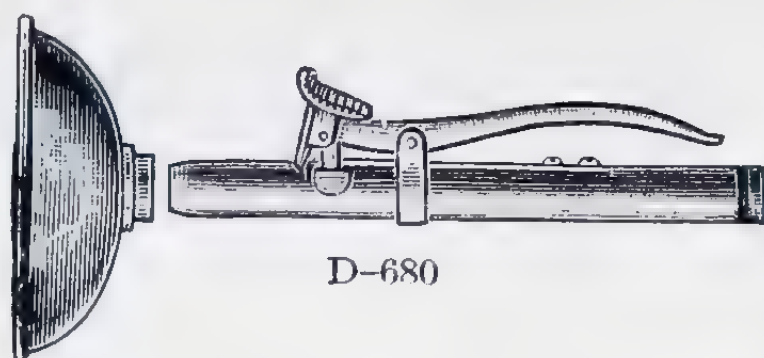
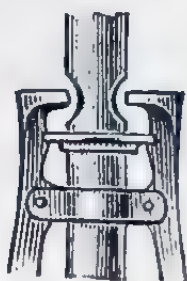
- D-600 Berger's, metal.
- D-605 Chetwood's, glass, 3 sizes.
- D-610 Janet's, glass.
- *D-615 Kieffer's, glass.
- D-616 Kieffer's, metal.
- D-620 Pancoast's, improved.
- *D-625 Pattee's, Y, metal.
- D-630 Pooles' Perfection Stop-cock.
- *D-635 Young's.

Urethral Compression Clamps, Penis

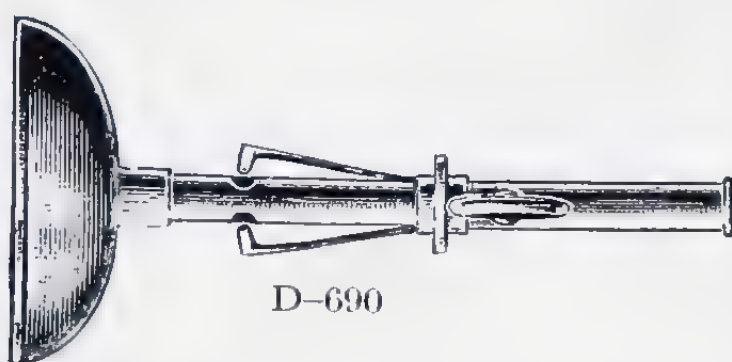
- *D-650 Smith's, for holding solutions in urethra.
- D-655 Zepser's, for holding solutions in urethra.



D-685



D-680



D-690



D-660



D-665-666



D-707



D-702



D-701



D-700



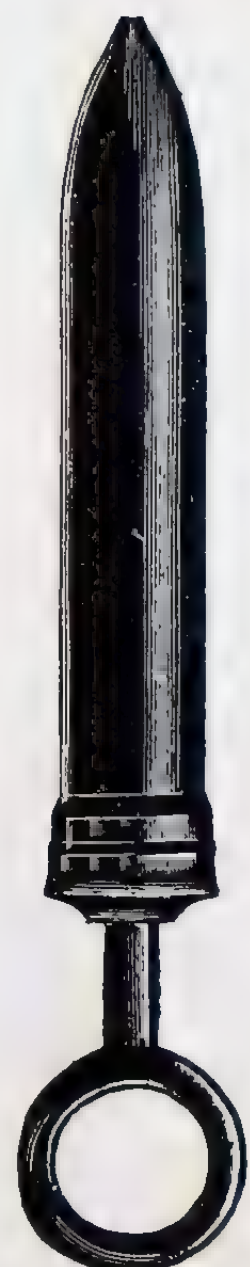
D-706



D-708



D-703-704



D-705

Urethral Nozzles

- D-660 Booger's, glass, with shield, $2\frac{1}{4}$, $2\frac{1}{2}$ and $2\frac{3}{4}$ inches.
 D-665 Wigmore's, metal, with shield.
 *D-666 Wheeler's, soft rubber, with shield.

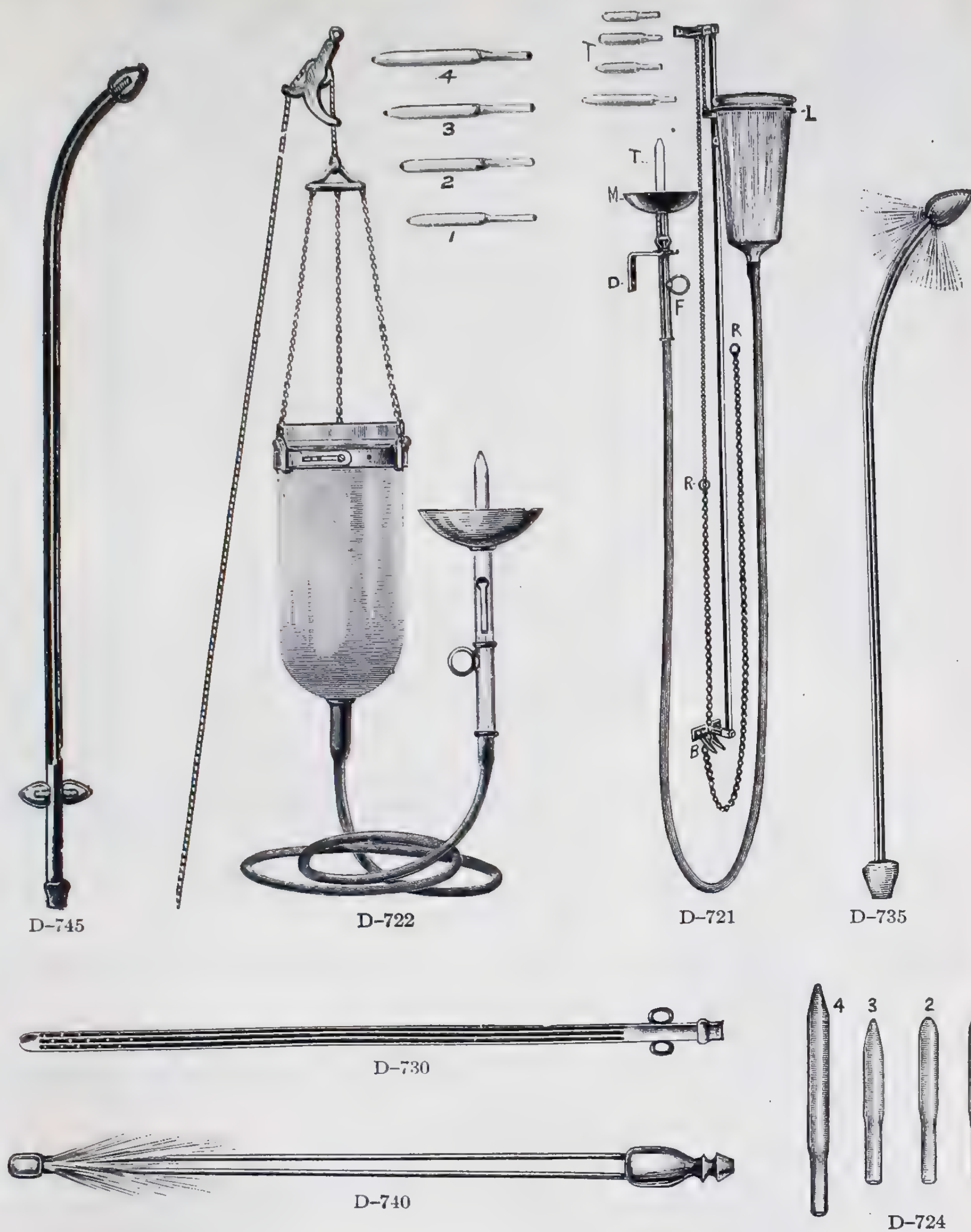
Urethral Irrigator Cut-offs

- *D-675 Chetwood's, alternating.
 D-680 Goldsmith's, with shield.
 D-685 Kean's, improved, with shield.
 D-690 Valentine's, with shield.

Urethral Syringes (see pages 26 to 29)

Injection Syringes

- D-700 Urethral Injection Syringe, $\frac{1}{4}$ ounce, glass barrel, hard rubber mounted.
 D-701 Urethral Injection Syringe, $\frac{1}{4}$ ounce, glass barrel, hard rubber mounted.
 D-702 Urethral Injection Syringe, $\frac{1}{4}$ ounce, glass barrel, hard rubber mounted.
 D-703 Urethral Injection Syringe, $\frac{1}{2}$ ounce, glass barrel, hard rubber mounted and soft rubber tip.
 D-704 Urethral Injection Syringe, 1 ounce, glass barrel, hard rubber mounted and soft rubber tip.
 D-705 Urethral Injection Syringe, $\frac{1}{4}$ ounce, all hard rubber.
 D-706 Urethral Injection Syringe, $\frac{1}{4}$ ounce, glass.
 D-707 Urethral Tips, soft rubber.
 D-708 Urethral Tip, soft rubber.

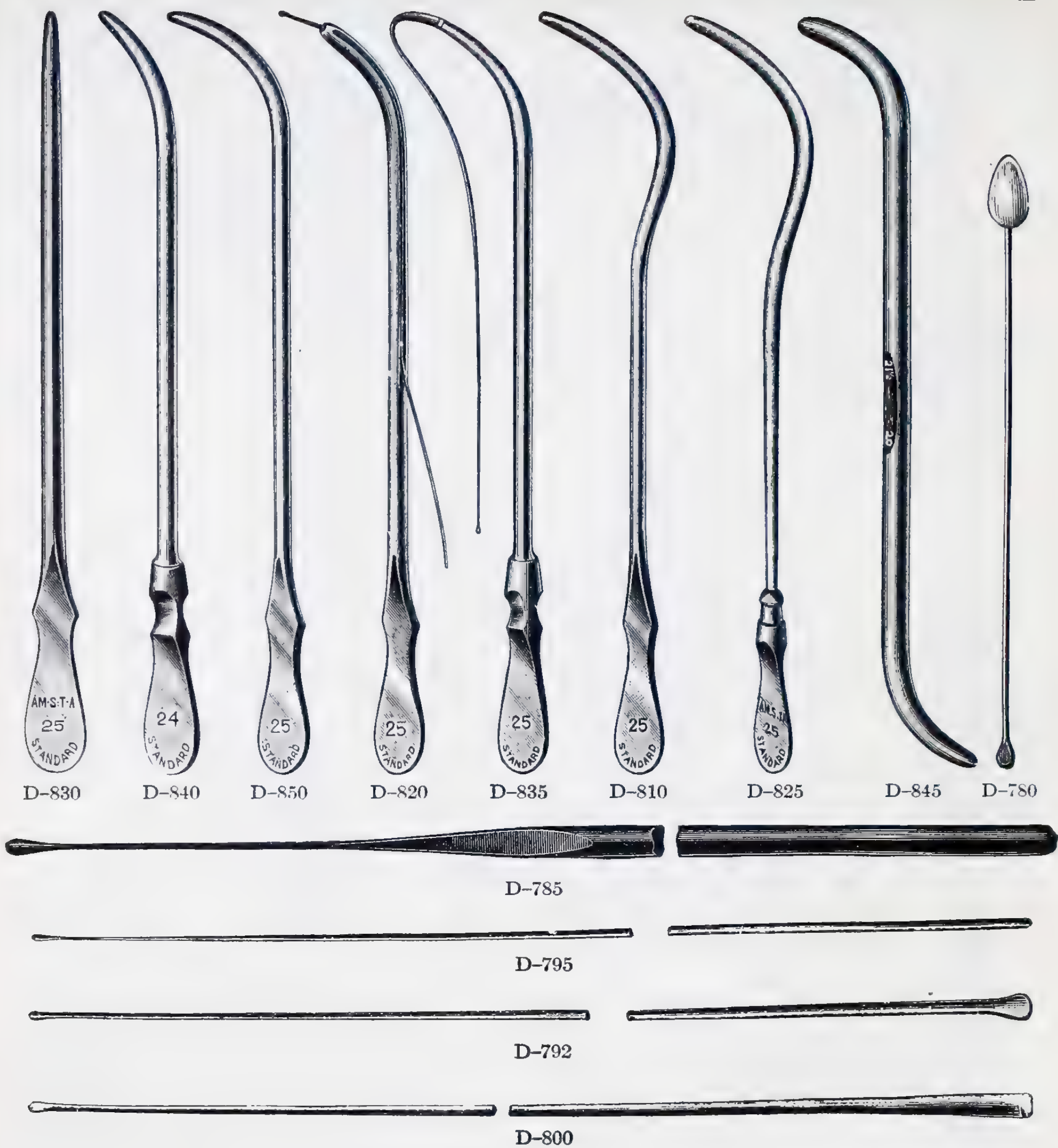


Urethral Irrigators

- *D-720 Valentine's, with plain bracket.
- D-721 Valentine's, with sliding metal bracket.
- D-722 Valentine's, with automatic stop pulley.
- *D-723 Valentine's, frame only for D-722.
- D-724 Valentine's, glass tips, 4 styles, Nos. 1, 2, 3 and 4.

Urethral Retrojectors

- D-730 Anglin's, straight.
- *D-731 Anglin's, curved.
- D-735 Durham's.
- D-740 Johnson's.
- D-745 Pratt's, with 3 sizes of olives.

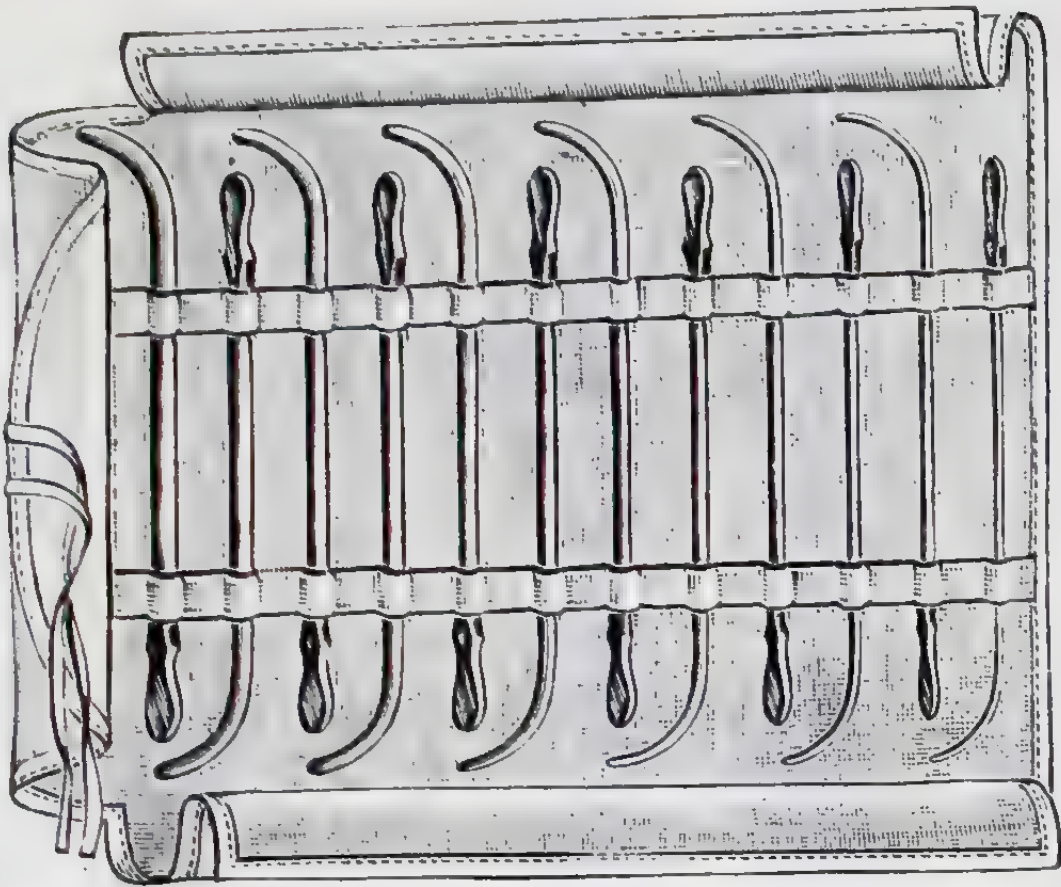


Urethral Bougies—Exploring

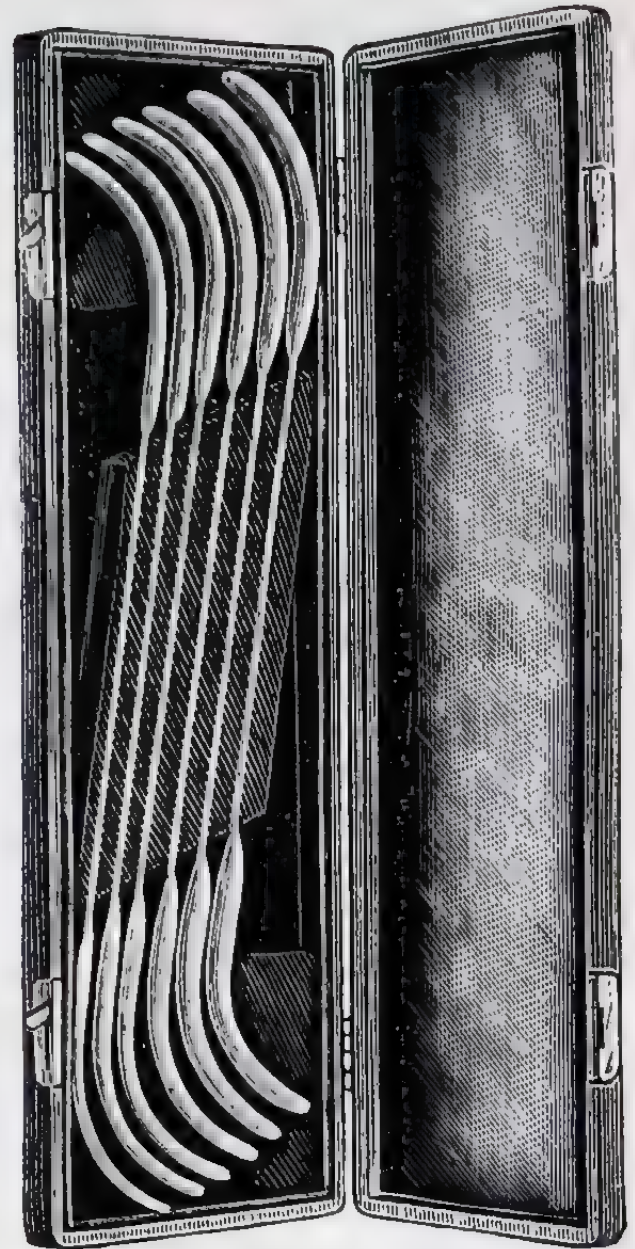
- | | | | |
|--------|--|--------|--|
| D-780 | Otis', metal, sizes 8 to 40 French. | D-795 | Gouley's Filiform, whalebone, straight, olive point. |
| D-785 | Bang's, filiform, whalebone. | *D-796 | Gouley's Filiform, whalebone, straight, double end, olive point. |
| *D-790 | Filiform, with exploring bulb, silk web, sizes 3 to 12 French. | *D-797 | Gouley's Filiform, whalebone, angular, olive point. |
| *D-791 | Filiform, with exploring bulb, silk web, spiral, sizes 3 to 12 French. | *D-798 | Gouley's Filiform, whalebone, spiral, olive point. |
| D-792 | Filiform, silk web, olive point. | D-800 | Le Fort's Filiform, silk web, olive point, female thread. |
| *D-793 | Filiform, silk web, spiral, olive point. | | |

Urethral Dilating Metal Sounds

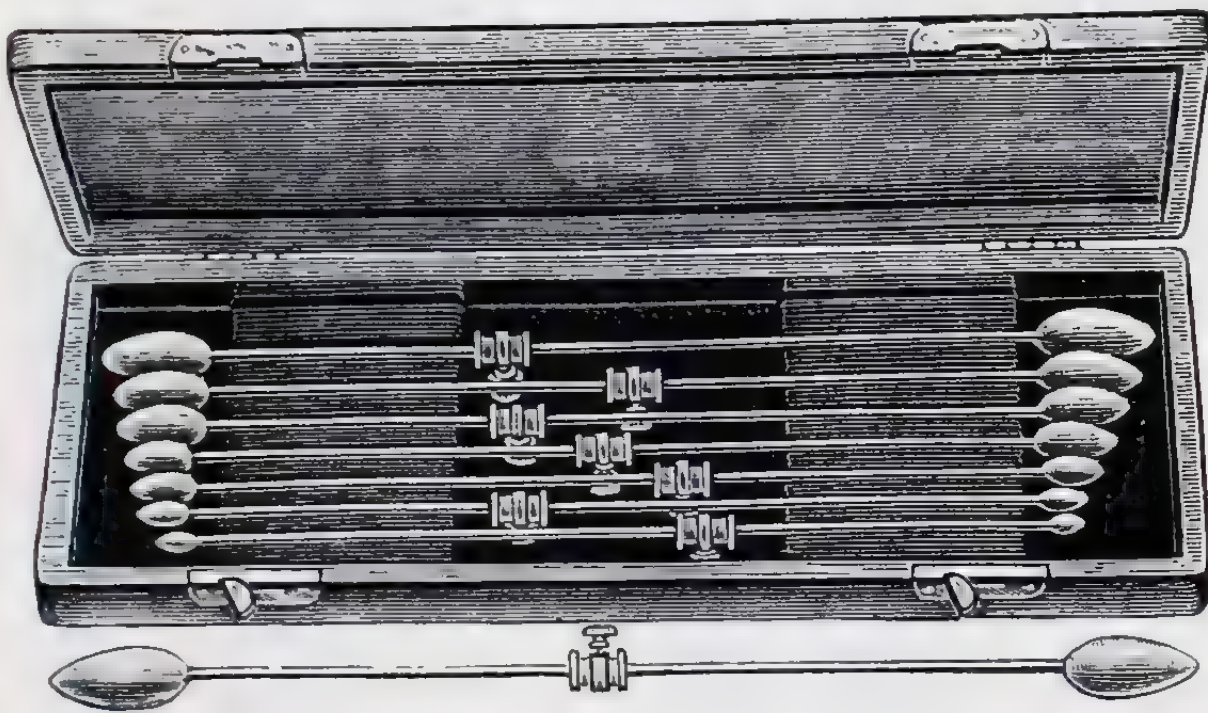
- | | | | |
|--------|---|--------|--|
| D-810 | Benique's, double curve, 14 to 30 French, one piece or two piece. | D-835 | LeFort's, exploring, with filiform guide, extra fine. |
| *D-815 | Fowler's, double end. | D-840 | Otis', curved, 8 to 40 French, one piece or two piece. |
| D-820 | Gouley's, tunnelled, for filiform bougie. | D-845 | Pratt's, double curved, 16 sizes, male. |
| D-825 | Ideal, tapering toward the handle, Guyon curve, 8 to 40 French, one piece or two piece. | *D-846 | Pratt's, double curved, 16 sizes, female. |
| *D-826 | Ideal, tapering toward the handle, Van Buren curve, 8 to 40 French, one piece or two piece. | D-850 | Van Buren's, curved, 8 to 40 French, one piece or two piece. |
| D-830 | Jewett's, straight, 8 to 40 French, one piece or two piece. | *D-851 | Van Buren's, curved, cupped, one piece or two piece. |



D-890



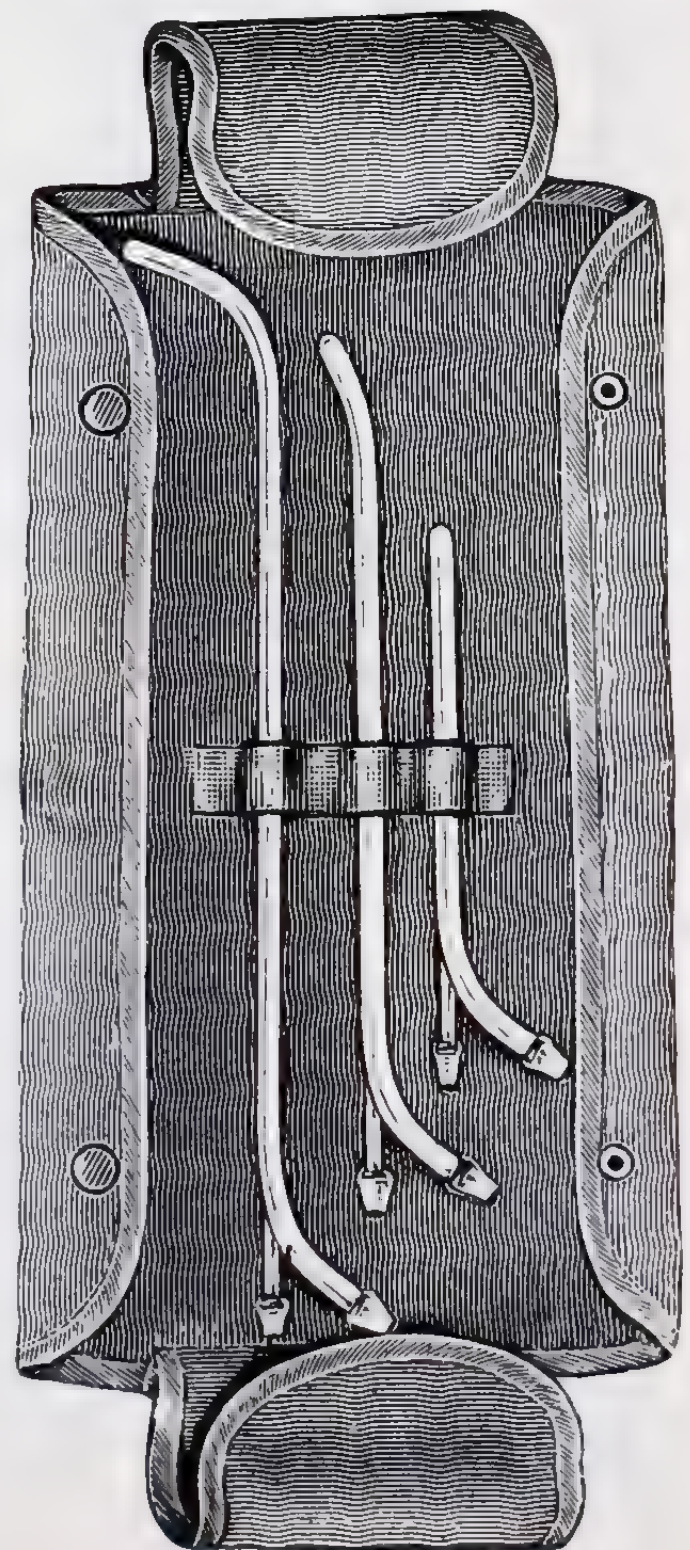
D-861



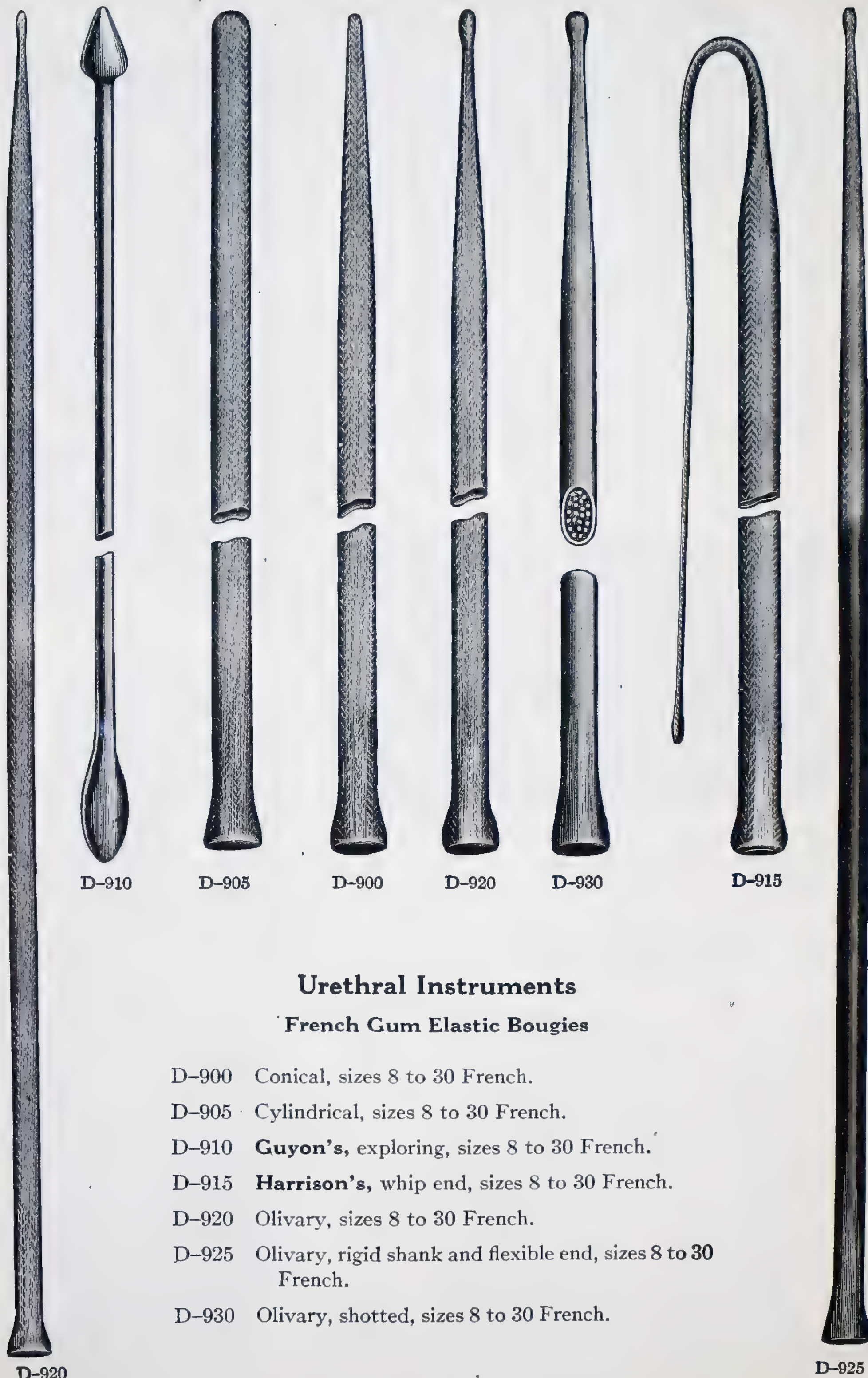
D-860

Urethral Sounds in Sets

- D-855 **Brown's** Set of Heating Sounds, in khaki roll.
- D-860 **Fowler-Otis'**, set of 8 sounds (16 sizes), in leather covered case.
- D-861 **Fowler's**, set of 6 sounds (12 sizes), in leather-covered case.
- *D-865 **Kelly's**, set of 8 sounds (16 sizes, 5 to 20 mm. diameter), female, in heavy canvas roll.
- *D-870 **LeFort-Hume's**, set of 3 sounds, 1 catheter and 2 **LeFort's** filiform guides, in case.
- *D-875 **LeFort's**, set of 3 dilating sounds, Nos. 12, 17 and 22, French scale, with 2 filiform guides, in case.
- *D-880 **Otis'**, set of 32 sounds, exploring, in heavy canvas roll.
- *D-885 **Van Buren's**, set of 6 sounds, in leather-covered or oak case.
- *D-886 **Van Buren's**, set of 6 sounds, in heavy canvas roll.
- *D-887 **Van Buren's**, set of 8 sounds, one piece, in leather-covered or oak case.
- *D-888 **Van Buren's**, set of 8 sounds, one piece, in heavy canvas roll.
- *D-889 **Van Buren's**, set of 12 sounds, in leather-covered or oak case.
- D-890 **Van Buren's**, set of 12 sounds, in heavy canvas roll.
- *D-891 **Van Buren's**, set of 32 sounds, in leather-covered or oak case.
- *D-892 **Van Buren's**, set of 32 sounds, in heavy canvas roll.
- *D-895 **Weiss'**, set of 6 sounds (12 sizes), in leather-covered case.



D-855



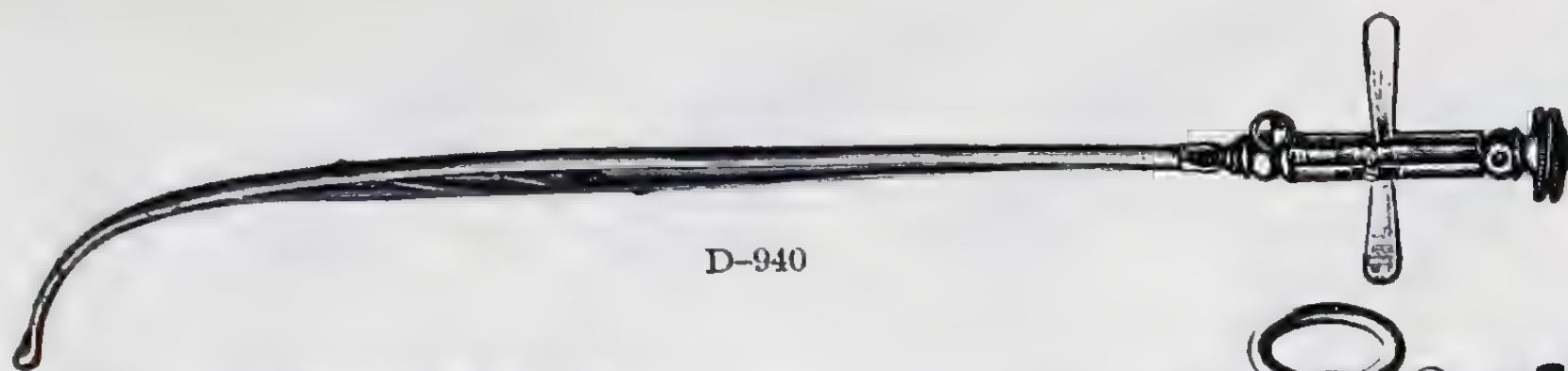
Urethral Instruments

French Gum Elastic Bougies

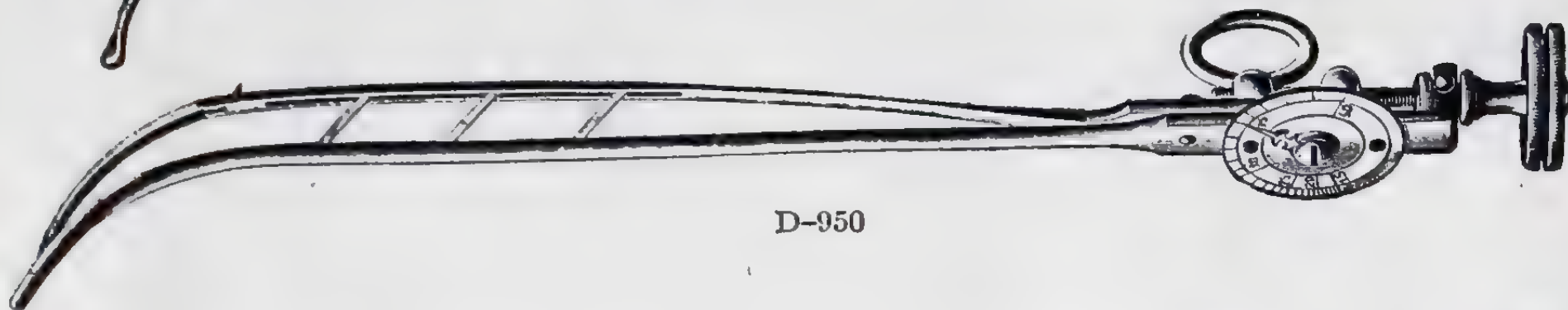
- D-900 Conical, sizes 8 to 30 French.
- D-905 Cylindrical, sizes 8 to 30 French.
- D-910 **Guyon's**, exploring, sizes 8 to 30 French.
- D-915 **Harrison's**, whip end, sizes 8 to 30 French.
- D-920 Olivary, sizes 8 to 30 French.
- D-925 Olivary, rigid shank and flexible end, sizes 8 to 30 French.
- D-930 Olivary, shotted, sizes 8 to 30 French.

D-920

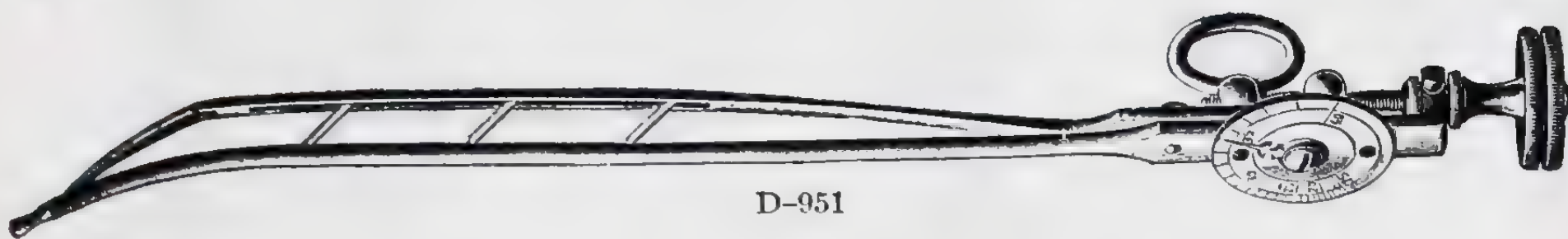
D-925



D-940



D-950



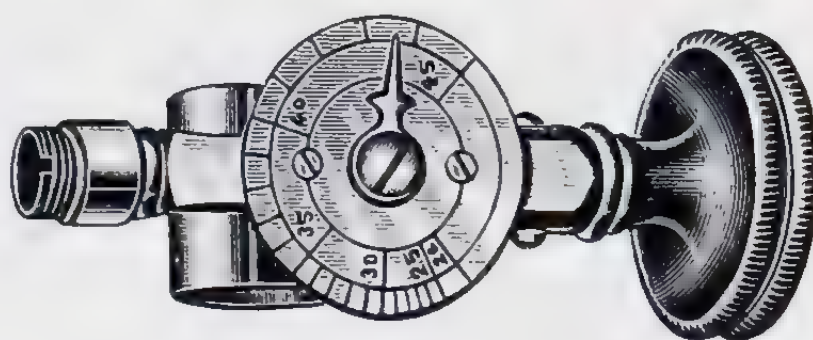
D-951



D-945



D-946



D-947

Urethral Dilators

- D-940 **Gouley's.**
- D-945 **Morton's (Henry H.),** latest modification of Kollmann's irrigating dilator, straight stem only.
- D-946 **Morton's (Henry H.),** same as above, Guyon's curve stem only.
- D-947 **Morton's (Henry H.)** handle only to fit above stems. **Dr. Henry H. Morton's** simplified **Kollmann** irrigating dilator is the latest and most valuable improvement in irrigating dilators of the Kollman type. Made for Dr. Morton and under his direction by **L. Steiner Manufacturing Co., New York.** Descriptive circular sent on request.
- D-950 **Oberlaender's, Van Buren** curve.
- D-951 **Oberlaender's,** long, slight curve.
- D-952 **Oberlaender's,** short, slight curve.
- D-955 **Thompson's.**

Urethrameter

- D-960 **Otis',** with hinged head.



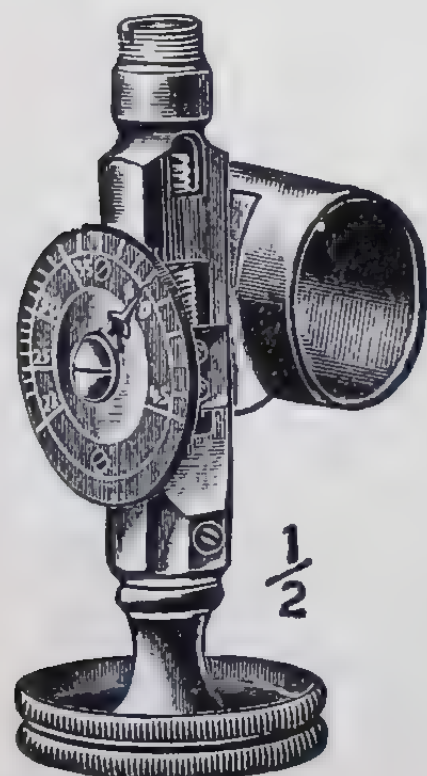
D-952



D-960



D-971



D-979



D-972



D-973



D-974



D-975



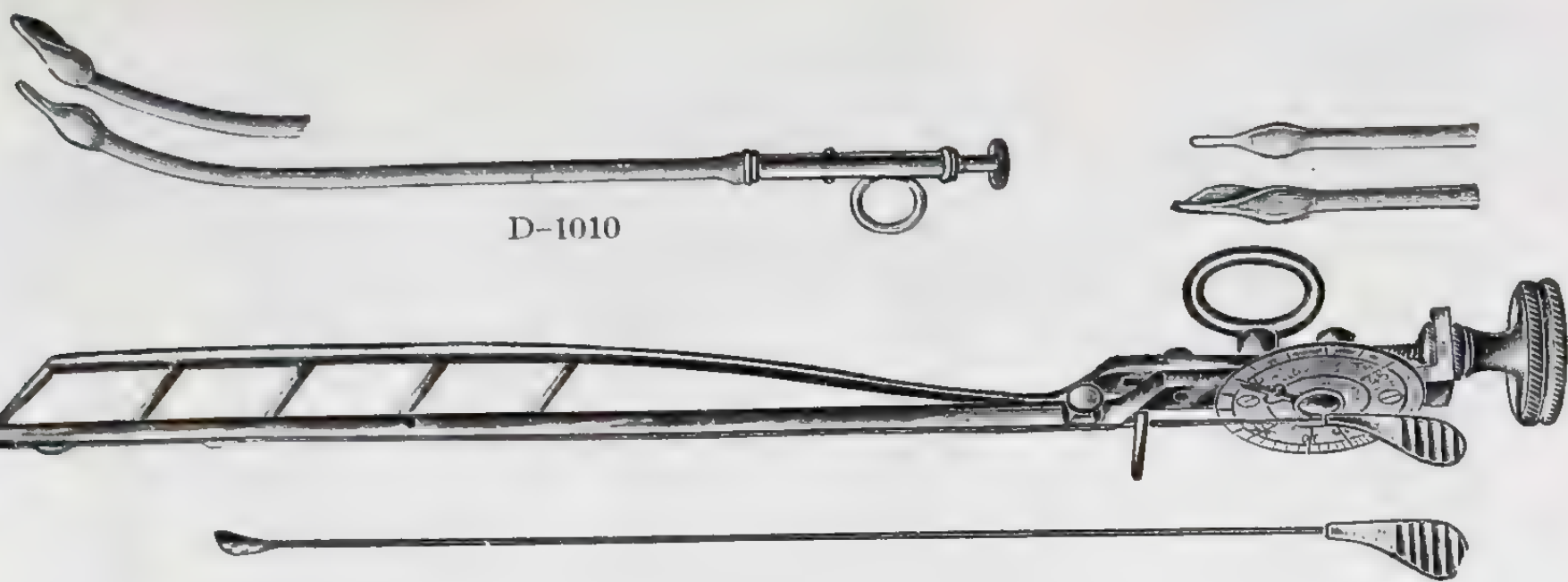
D-976



D-980

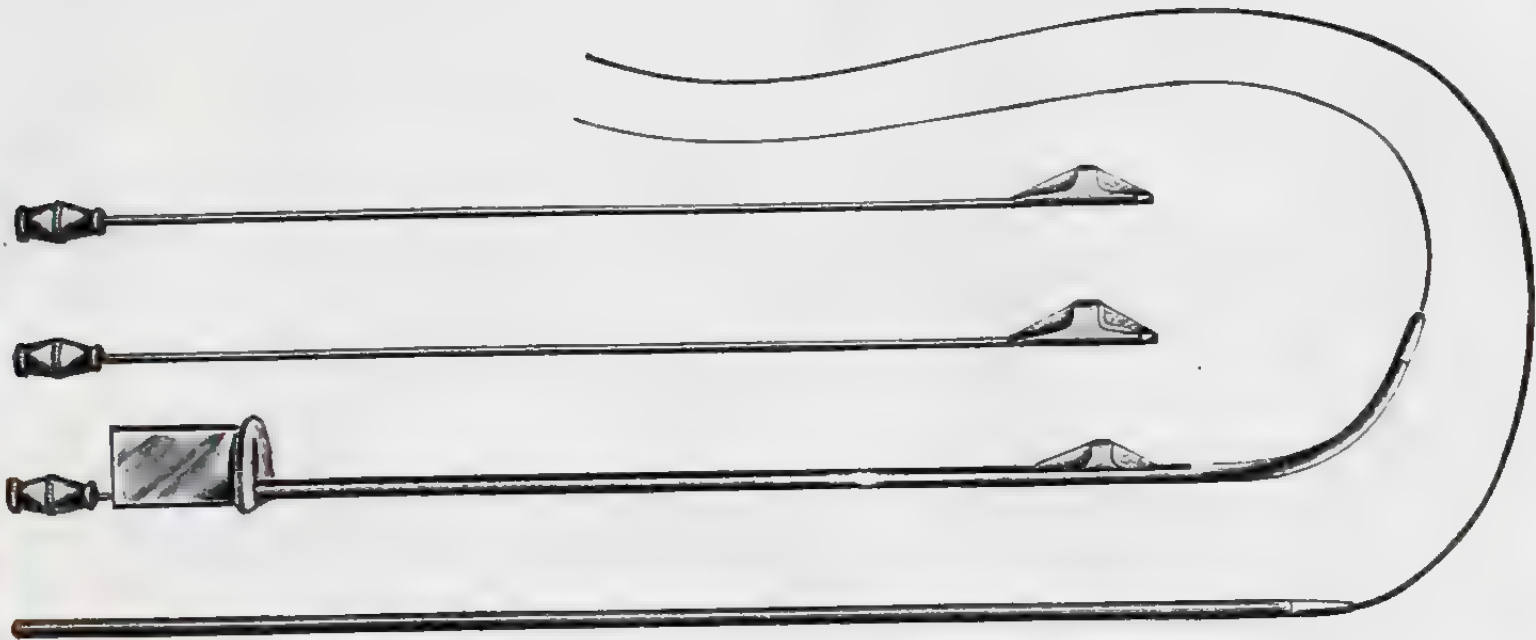
Urethral Dilators

- *D-970 **Kollmann's**, straight, short dilating blades.
- D-971 **Kollmann's**, straight, long dilating blades.
- D-972 **Kollmann's**, curved, short dilating blades.
- D-973 **Kollmann's**, curved, long dilating blades.
- D-974 **Kollmann's**, Guyon curve, short dilating blades.
- D-975 **Kollmann's**, Guyon curve, long dilating blades.
- D-976 **Kollmann's**, irrigating straight, long dilating blades.
- *D-977 **Kollmann's**, irrigating, curved, long dilating blades.
- *D-978 **Kollmann's**, irrigating, Guyon curve, long dilating blades.
- D-979 **Kollmann's** Universal Handle to fit the above.
- D-980 **Gentil-Kollmann's** Universal Handle to fit the above.
- *D-981 **Kollmann's** Covers, rubber, for Kollmann old style dilators.

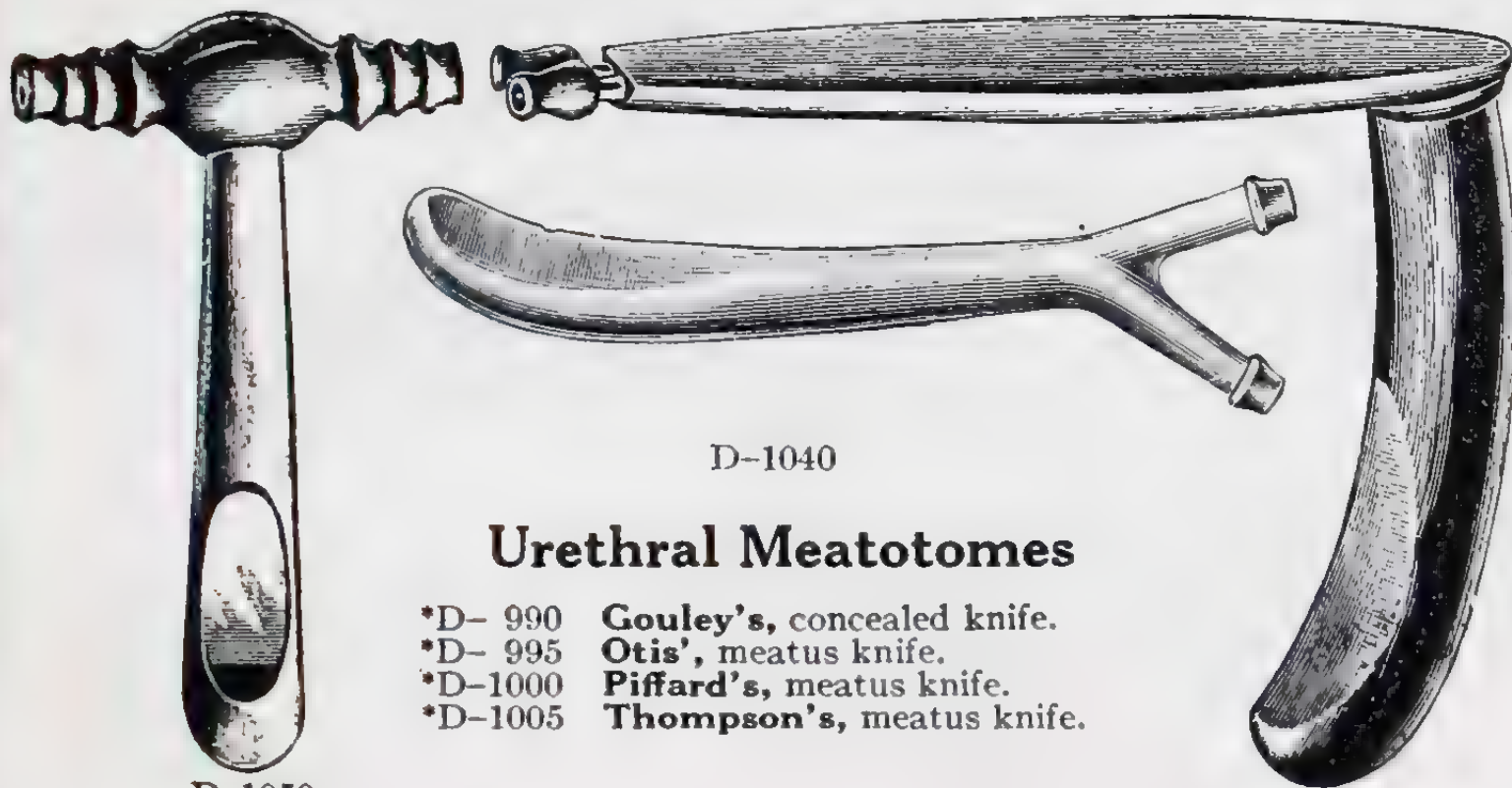


D-1010

D-1021



D-1015-1016



D-1050

D-1045

Urethral Meatotomes

- *D- 990 Gouley's, concealed knife.
- *D- 995 Otis', meatus knife.
- *D-1000 Piffard's, meatus knife.
- *D-1005 Thompson's, meatus knife.

Urethratomes

- D-1010 Gross', straight or curved, blade cutting forward.
- *D-1011 Gross', exploratory, blade cutting backward.
- *C-1015 Maisoneuve's, with Cunningham safety finger guard, with 2 blades, in case.
- D-1016 Maisoneuve-Cunningham's, with 3 blades, in case.
- D-1020 Otis', straight or curved, with 2 blades, in case.
- D-1021 Otis', improved, straight or curved, with blade in exploring shield which finds stricture without measuring, with 2 blades, in case.
- D-1022 Otis-Wyeth's, straight or curved, with 2 blades, in case.

Prostatic and Rectal Coolers

- *D-1030 Adams'.
- *D-1035 Blanchard's.
- D-1040 Eissner's.
- D-1045 Van der Poel's.
- D-1050 Wiener's.



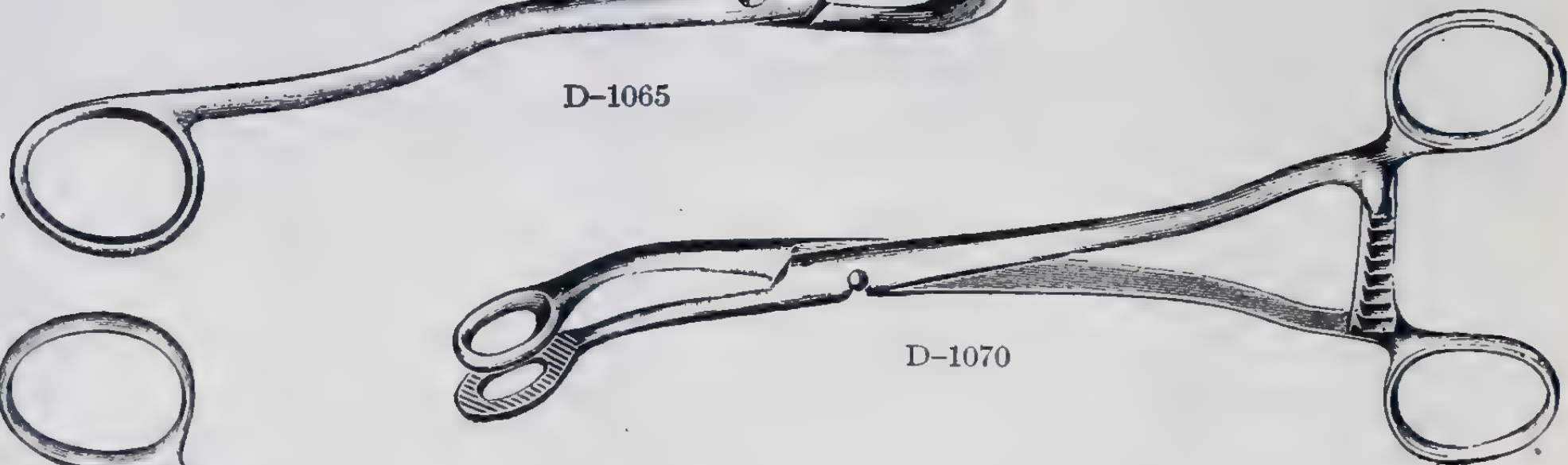
D-1020



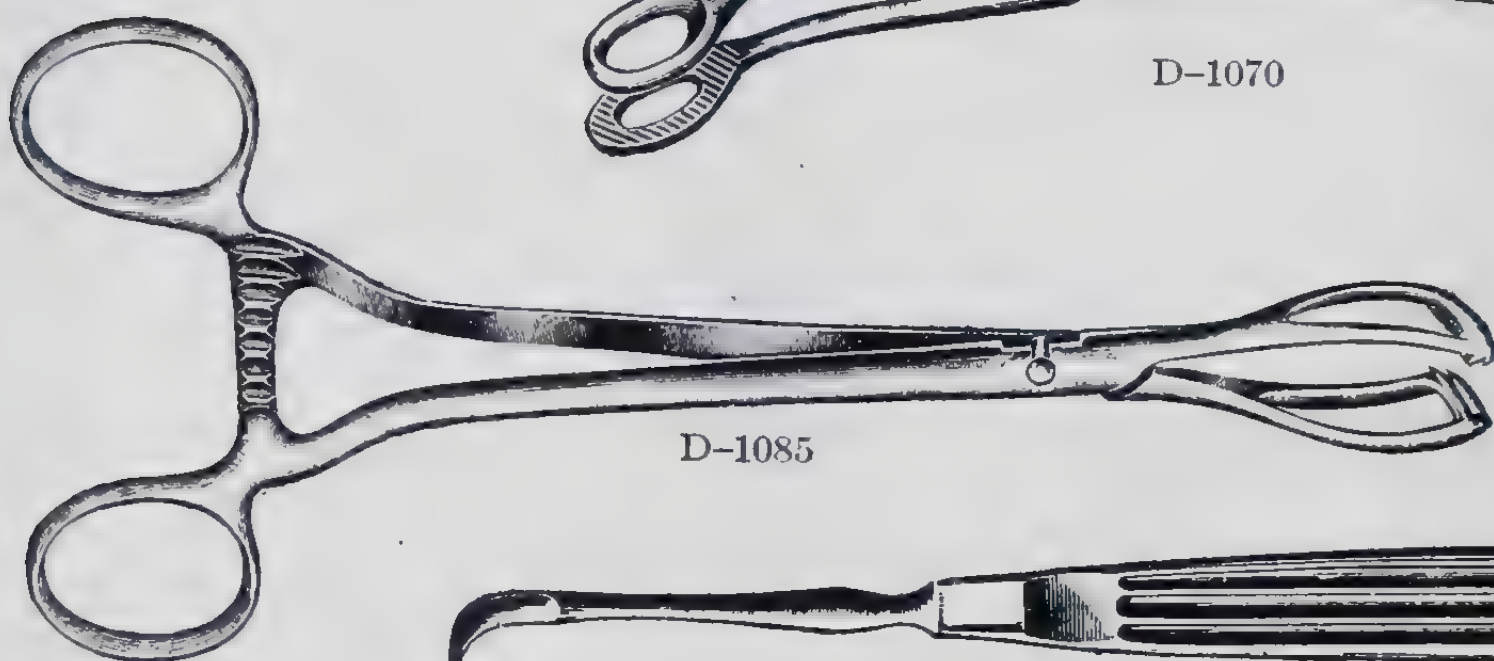
D-1022



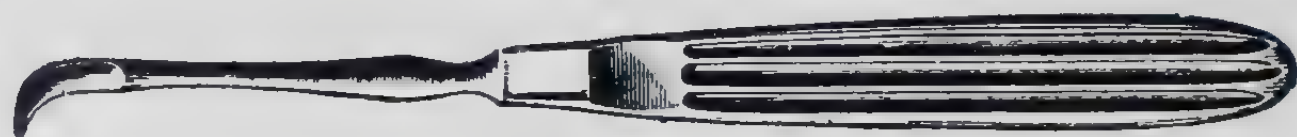
D-1065



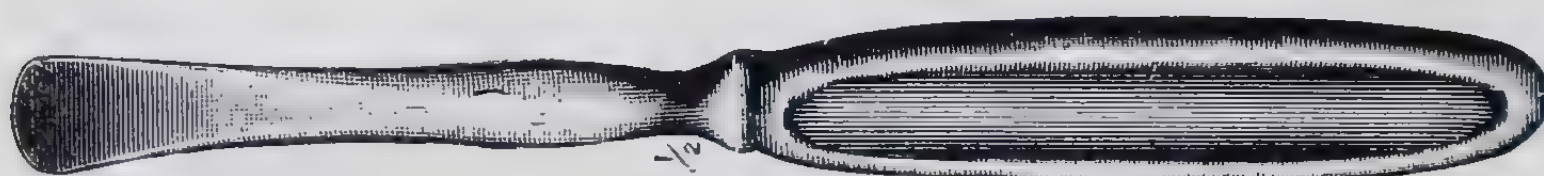
D-1070



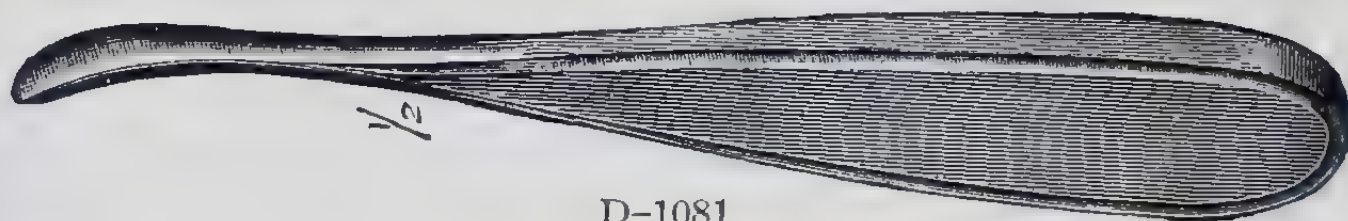
D-1085



D-1075



D-1082-1083



D-1081



D-1080

Prostatic Instruments

D-1065 **Ferguson's Cutting Forceps.**

*D-1066 **Ferguson's Depressor.**

D-1067 **Ferguson's Staff.**

*D-1068 **Ferguson's Silver Drainage Tube.**

D-1070 **Guiteras' Tearing Forceps.**

D-1075 **Mayo-Allen's Knife.**

*D-1076 **Mayo's Drainage Tube, double, soft rubber.**

D-1080 **Young's Drainage Tube, double, soft rubber, 5 sizes.**

D-1081 **Young's Enucleator.**

D-1082 **Young's Dissector, blunt.**

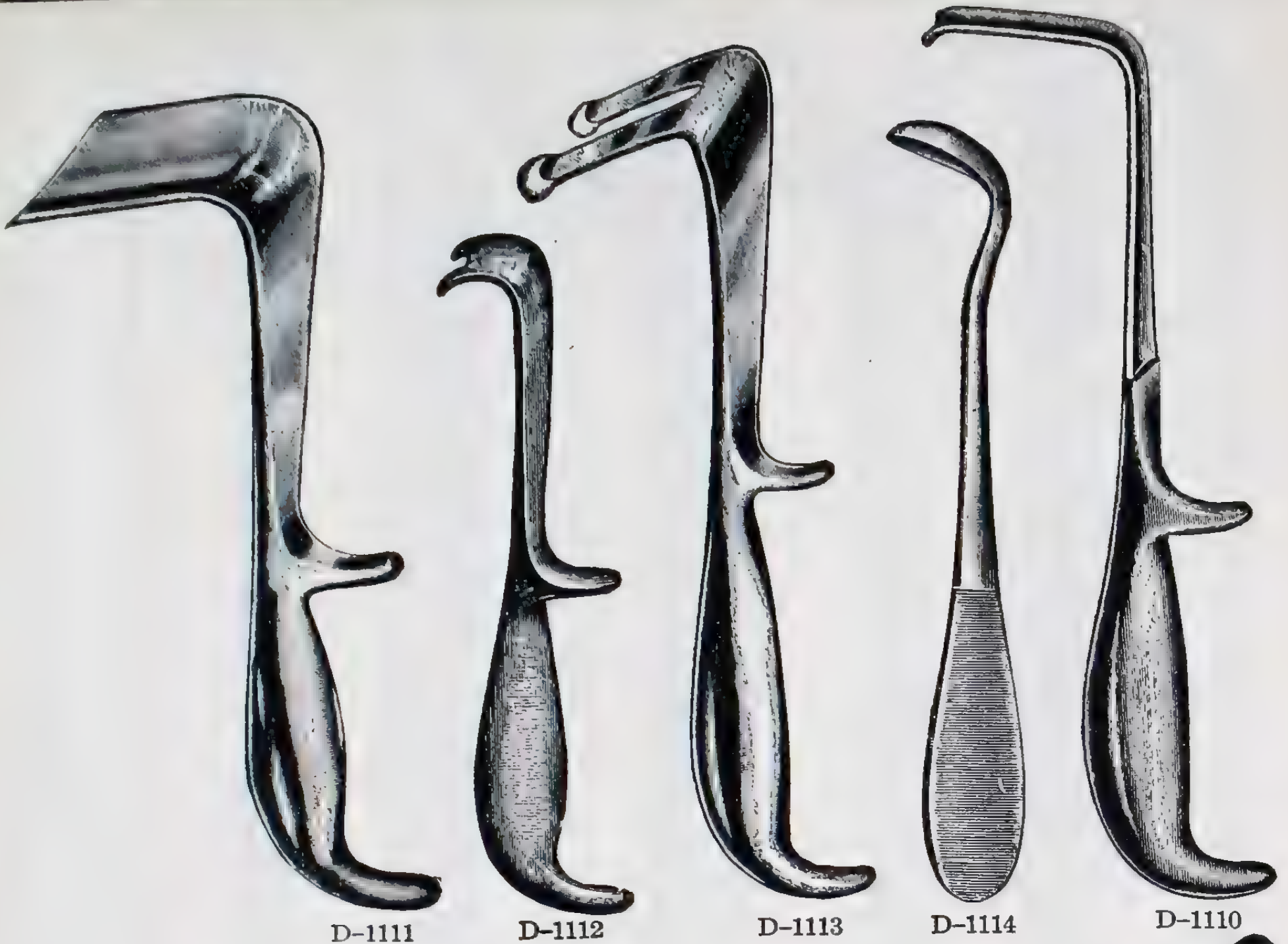
D-1083 **Young's Dissector, sharp.**

*D-1084 **Young's Grooved Staff.**

D-1085 **Young's Lobe Forceps, small and large.**



D-1067



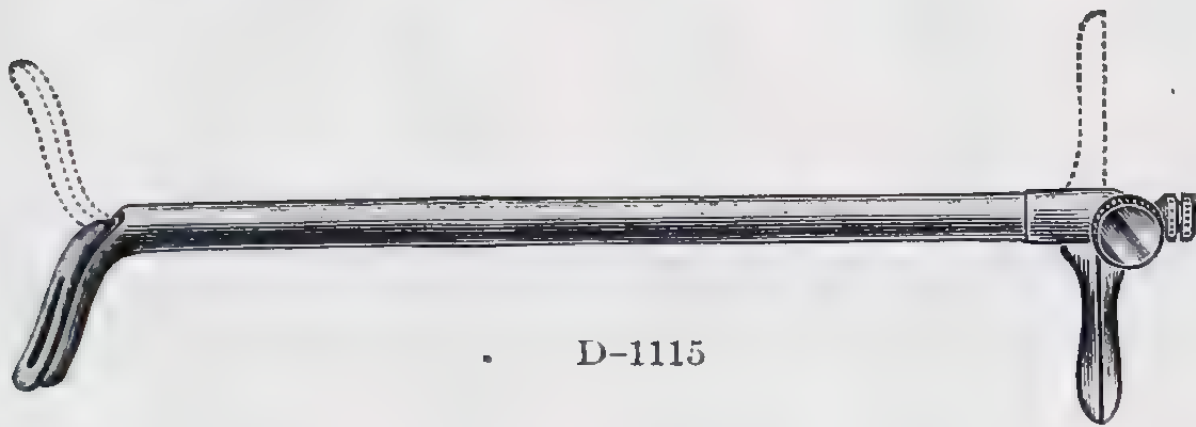
D-1111

D-1112

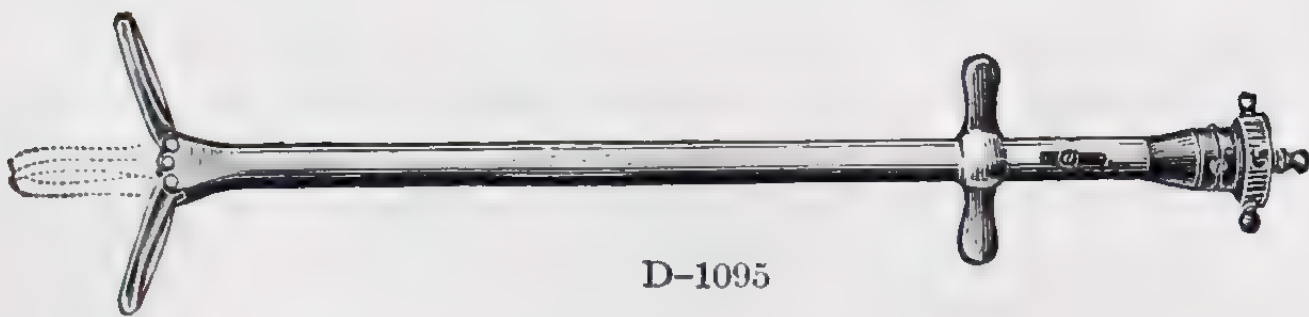
D-1113

D-1114

D-1110



D-1115



D-1095



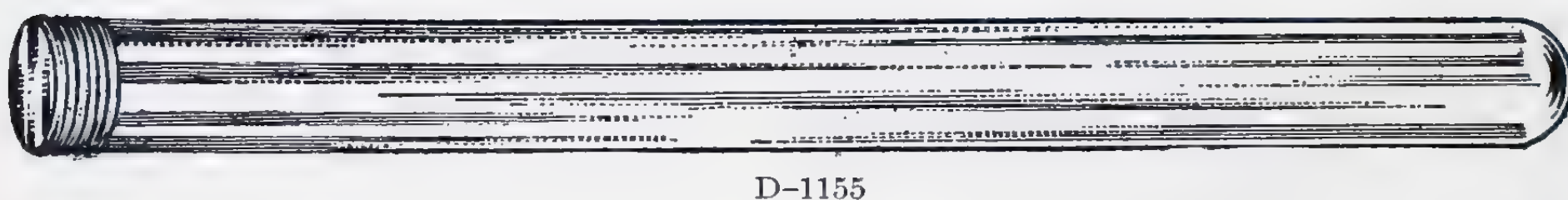
D-1090



D-1105

Prostatic Instruments

- D-1090 Guiteras' Retractor, double, steel.
- D-1095 Markley's Tractor.
- *D-1100 Parker-Syms Tractor, soft rubber with metal stylet.
- D-1105 Swinburne's Masseur.
- D-1110 Young's Retractor, small, blade $\frac{1}{2}$ -inch wide.
- D-1111 Young's Retractor, large, blade $1\frac{3}{4}$ -inches wide.
- D-1112 Young's Retractor, bifid, small.
- D-1113 Young's Retractor, bifurcated, large.
- D-1114 Young's Retractor, spoon shape.
- D-1115 Young's Tractor.



Urethral Instruments

Soft Rubber Catheters

- D-1130 **Malecot's**, with 2 wings.
- D-1131 **Malecot's**, with 4 wings.
- D-1135 **Nelaton's**, with funnel end.
- D-1140 **Pezzer's**, with raised top.
- D-1141 **Pezzer's**, with mushroom top.

Web Catheters

- *D-1145 English, ordinary brown web, with stylet, sizes 1 to 12.

Catheter Sundries

- D-1150 Catheter Guide, **Benique's**.
- D-1151 Catheter Guide, **Guyon's**.
- *D-1152 Catheter Guide, **Otis'**, spiral.
- D-1155 Catheter Holder, glass, with screw cap.
- *D-1156 Catheter Holder, glass, with screw caps at both ends.



D-1187 D-1171 D-1170 D-1174 D-1185 D-1190 D-1179
 D-1186

Urethral Instruments

French Gum Elastic Web Catheters

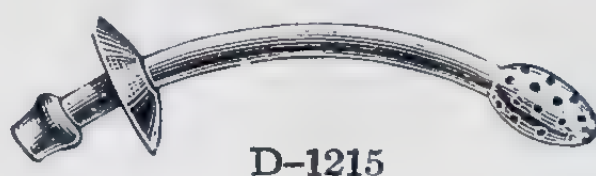
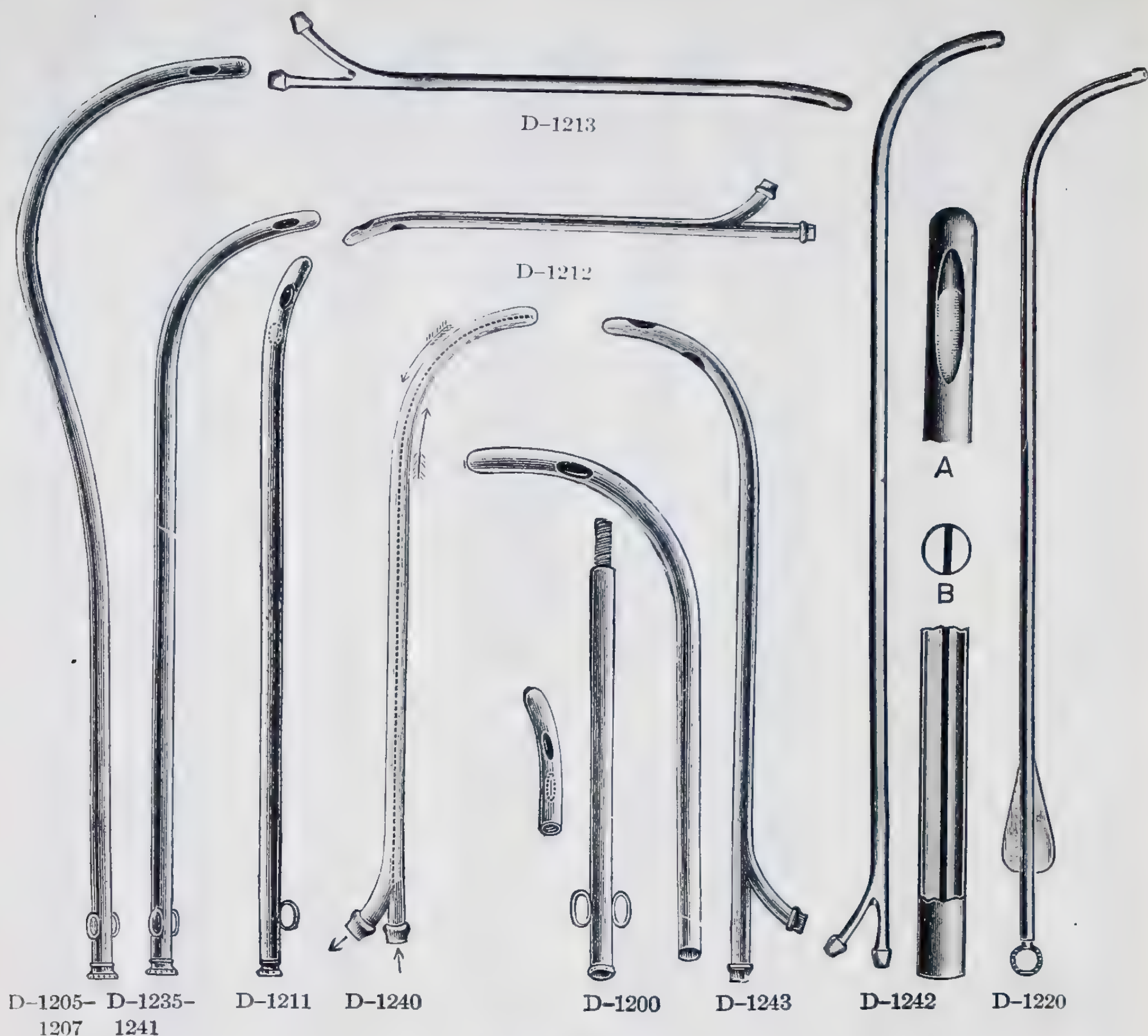
- D-1170 Conical, sizes 8 to 30, French.
- D-1171 Cylindrical, sizes 8 to 30, French.
- *D-1172 Cylindrical, double channel.
- *D-1173 Cylindrical, hole in end, no eye.
- D-1174 **Mercier's**, coude, with finger guide, sizes 8 to 30, French.
- D-1175 **Mercier's**, coude, rigid shank and flexible end, sizes 8 to 30, French.
- *D-1176 **Mercier's**, bi-coude, sizes 8 to 30, French.
- D-1177 Olivary, sizes 8 to 30, French.
- *D-1178 Olivary, rigid shank and flexible end, sizes 8 to 30, French.
- D-1179 **Phillip's**, whip end, sizes 8 to 30, French.
- *D-1180 **Wishard's**, whip end, with gradual taper toward whip end.

French Silk Gum Elastic Web Catheters

- D-1185 **Bartrina's**, coude, flattened laterally, oval bore, sizes 10 to 25, French.
- D-1186 Cylindrical, sizes 8 to 30, French.
- D-1187 Exploring, filiform, sizes 3 to 7, French.
- D-1188 **Mercier's**, coude, sizes 8 to 30, French.
- D-1189 Olivary, sizes 8 to 30, French.
- D-1190 **Wishard's**, coude, flattened antero-posteriorly, oval bore, sizes 10 to 22, French.

D-1177
D-1189

D-1175



Urethral Catheters, Metal, Male and Female

- D-1200 Combined, male and female, plated and silver.
- *D-1201 Combined, **Parker's**, male and female, with caustic holder, plated and silver.
- D-1205 **Coxeter's**, prostatic, plated.
- D-1206 **Coxeter's**, prostatic, sterling silver.
- D-1207 **Coxeter's**, prostatic, virgin silver, flexible.
- *D-1210 Female, glass.
- D-1211 Female, plated and silver, oval hole or small perforations.
- D-1212 Female, double current, small oval holes, plated and silver.
- D-1213 Female, double current, perfection, with eye and middle wall like Figs. A and B, plated.
- D-1214 Female, double current, **Nott's**, with long lateral openings, like D-1244, plated and silver.
- D-1215 Female, self-retaining, **Skene-Goodman's**, plated and silver.
- D-1220 **Gouley's**, tunneled, sizes from 8 French upward, plated and silver.
- *D-1225 **Gross's**, spiral, plated.
- D-1230 **LeFort's**, with web elastic filiform.
- D-1235 Male, plated, regular, sizes 1 to 18 English scale.
- D-1240 Male, sterling silver, medium and large sizes.
- D-1241 Male, virgin silver, flexible, medium and large sizes.
- D-1242 Male, double current, perfection, with eye and middle wall, like Figs. A and B, plated.
- D-1243 Male, double current, small oval holes, plated and silver.
- D-1244 Male, double current, **Nott's**, with long lateral openings.
- D-1250 **Winternitz's**, cooler (Psychrophor), plated and silver.

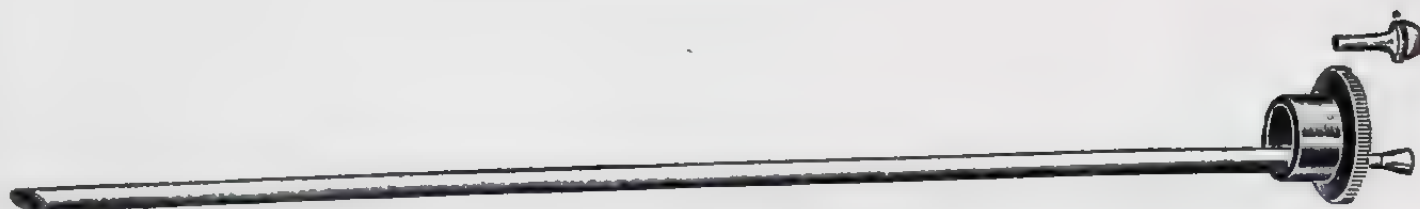
D-1244

D-1230

STANDARD SURGICAL INSTRUMENTS



D-1260-1261



D-1262



D-1264



D-1267

Cystoscopes

D-1260 **Braasch**, Direct Catheterization, with double catheter guide, ocular window and extra lamp.

This instrument is also furnished for female use, 14 cm. long, 28 French.

D-1261 **Braasch**, Direct Catheterization, complete as above with 2 silk catheters and dilating bulb.

D-1262 **Braasch**, large single catheter guide only.

*D-1263 Leather-covered case for above cystoscope.

D-1264 **Braasch** Indirect Double Catheterization, with **correct image new lens system showing brilliantly lighted, large field.** With extra lamp.

*D-1265 **Braasch's**, direct, **child's**, 11 cm. long, 16 French, with single catheter guide, ocular window and extra lamp.

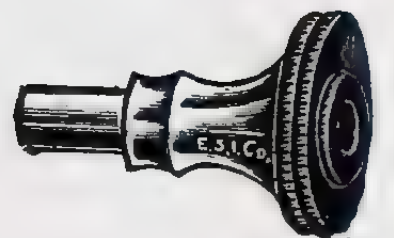
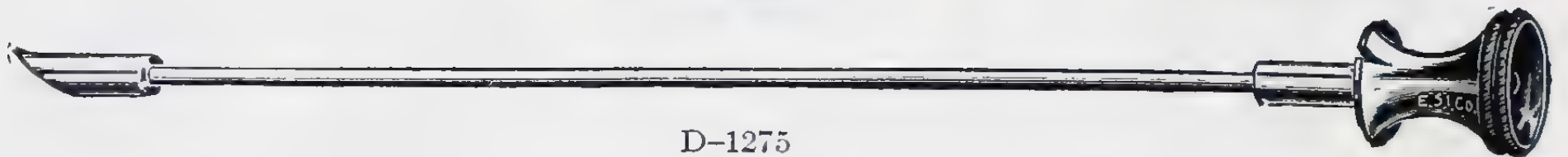
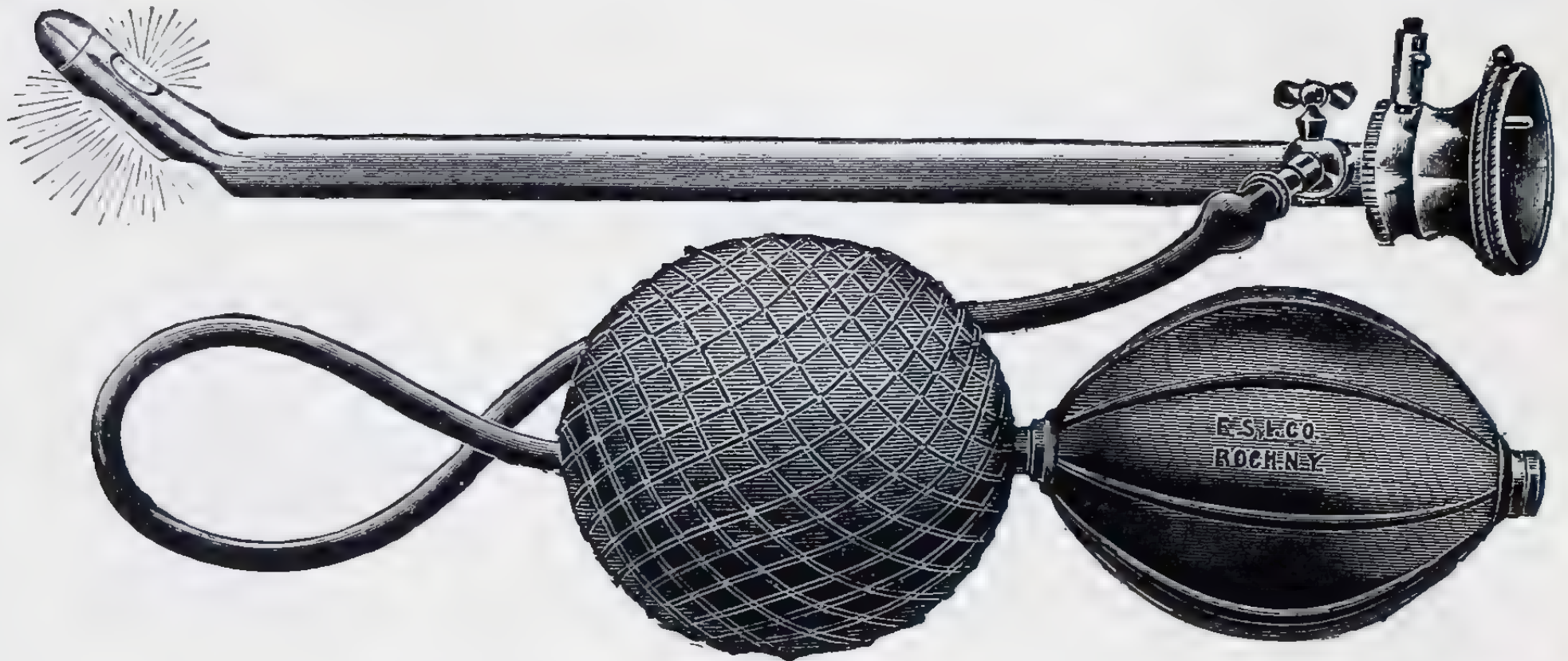
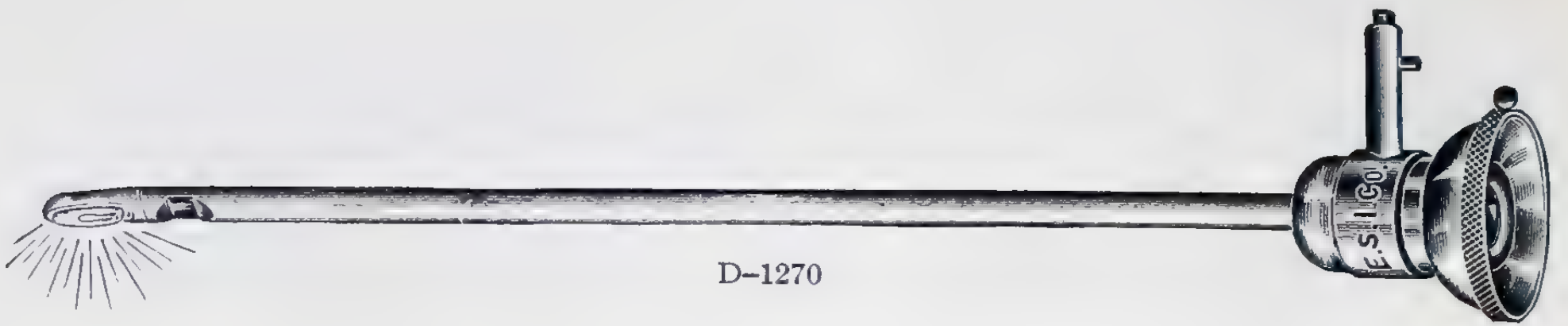
*D-1266 Extra lamps for **Braasch** cystoscopes, E. S. I. Co. No. 11

Braasch Cystoscopes are made exclusively by the Electro Surgical Instrument Co., Rochester, N. Y.

D-1267 **Brown-Buerger**, convertible, examining, catheterizing and operating cystoscope complete with both concave and convex sheaths, obturator, combined catheterizing and operating telescope, removable fin, examining telescope, 2 extra lamps for each sheath. Accessories: 4 plain and 4 perforated small rubber tips, cleaning rod, catheter clip, stop cock, conducting cord, etc., in case.

*D-1268 Extra lamps for above.

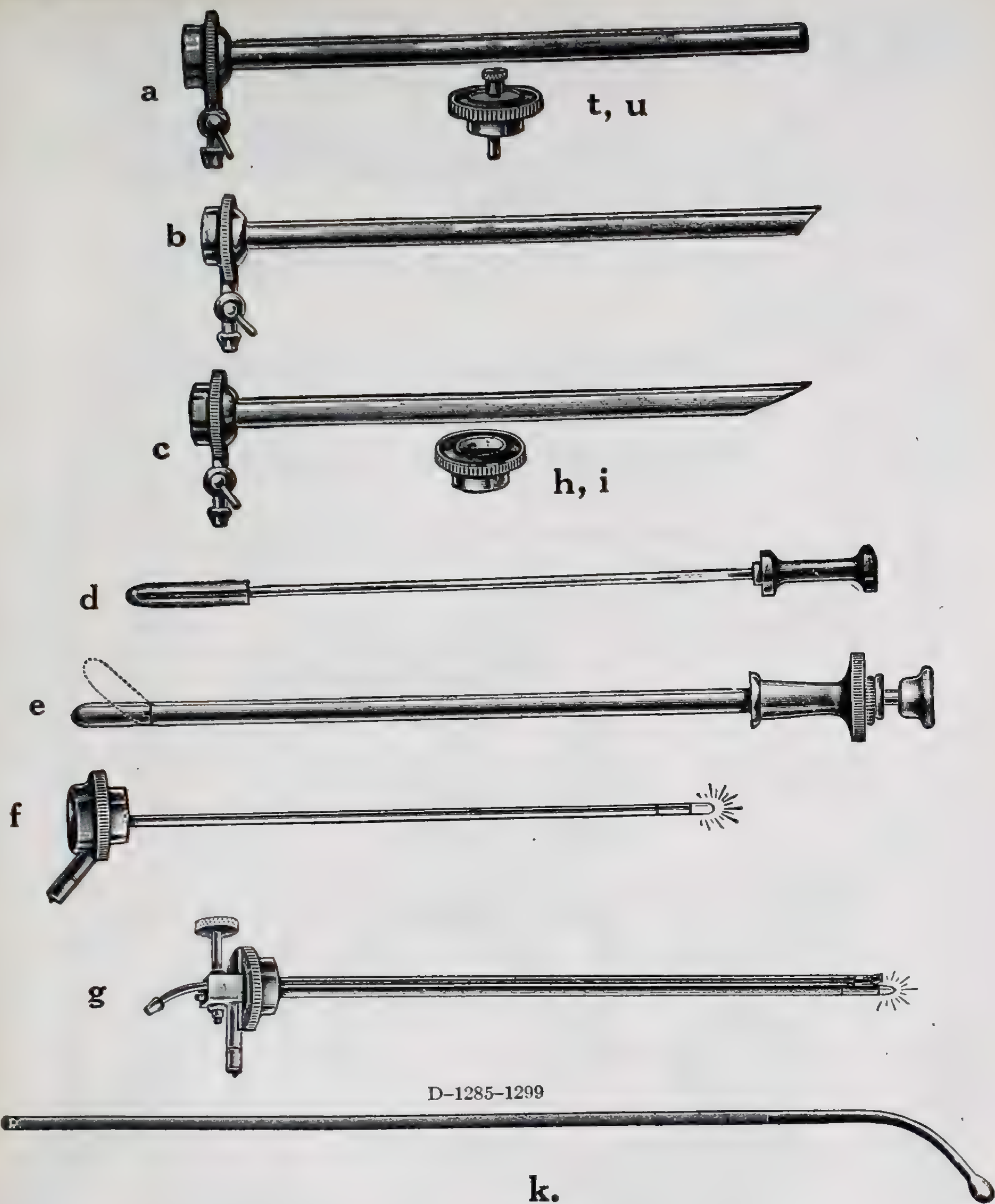
Complete catalogue of Electro Surgical Instrument Co., and Wappler makes of Cystoscopes
sent on request



Cystoscopes

- D-1270 E. S. I. Co., child's or infant's, diagnostic, correct image lens system, complete in metal case, with extra lamp and conducting cords with make-and-break attachment.
- *D-1271 Extra beaks with lamps for above.
- D-1275 E. S. I. Co., diagnostic, male, 20 cm. long, No. 20 French, with extra lamp, obturator and window.
- *D-1276 E. S. I. Co., diagnostic, female, 10 cm. long, No. 28 French, with extra lamp, obturator and window.
- D-1277 Dilating bulb for the above, extra.
- D-1278 E. S. I. Co., Nitze's, diagnostic, 18 French, complete with extra lamp.

Complete catalogue of Electro Surgical Instrument Co., and Wappler makes of Cystoscopes sent on request.



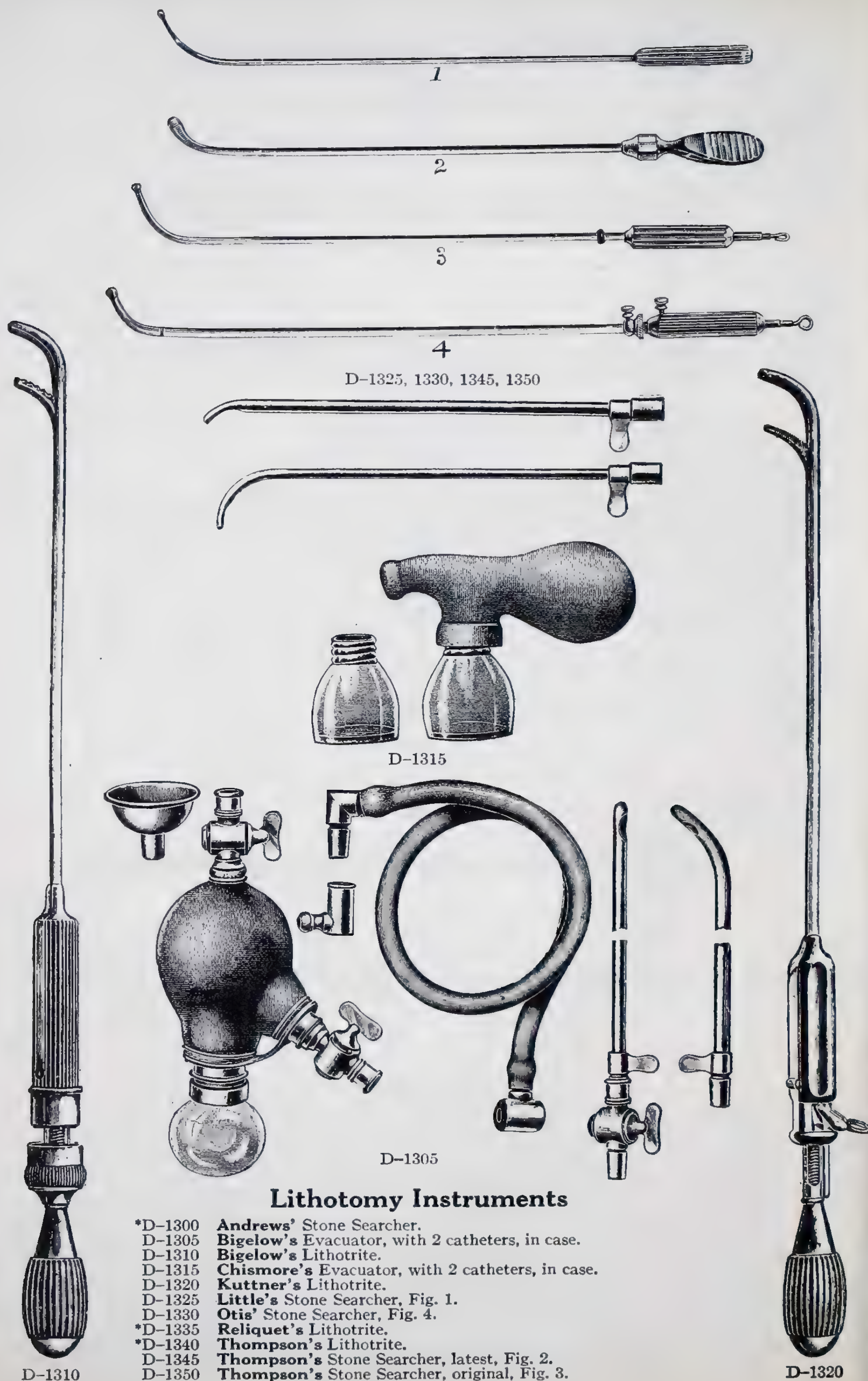
D-1285-1299

k.

Cystoscopes

- D-1285 Greenberg's, Fig. a, endoscopic tube, 24 French, with ground ocular or lens, straight end.
- D-1287 Greenberg's, Fig. b, same as Fig. a, end opened on 45-degree angle.
- D-1288 Greenberg's, Fig. c, same as Fig. b, end opened on 30-degree angle.
- D-1289 Greenberg's, Fig. d, straight obturator.
- D-1290 Greenberg's, Fig. e, posterior obturator.
- D-1291 Greenberg's, Fig. f, light carrier with double end ground fitting for endoscope.
- D-1292 Greenberg's, Fig. g, attachment for single catheterization, with lens, light carrier and lever operated catheter guiding finger.
- *D-1293 Greenberg's, Fig. ga, attachment for double catheterization with lens, light carrier and lever operated catheter guiding finger.
- D-1294 Greenberg's, Fig. h, window for water dilatation with lens.
- D-1295 Greenberg's, Fig. i, window for air dilatation, with lens.
- D-1296 Greenberg's, Fig. k, aspirating tube, and bulb.
- D-1297 Greenberg's, Fig. t, window for operative work, air dilatation, with lens.
- D-1298 Greenberg's, Fig. u, window for operative work, water dilatation, with lens.
- D-1299 Extra lamps for light holder

Complete illustrated descriptive pamphlet of all Dr. Greenberg's Cysto-Urethroscopic instruments and accessories furnished on request.



Lithotomy Instruments

- *D-1300 Andrews' Stone Searcher.
- D-1305 Bigelow's Evacuators, with 2 catheters, in case.
- D-1310 Bigelow's Lithotrite.
- D-1315 Chismore's Evacuator, with 2 catheters, in case.
- D-1320 Kuttner's Lithotrite.
- D-1325 Little's Stone Searcher, Fig. 1.
- D-1330 Otis' Stone Searcher, Fig. 4.
- *D-1335 Reliquet's Lithotrite.
- *D-1340 Thompson's Lithotrite.
- D-1345 Thompson's Stone Searcher, latest, Fig. 2.
- D-1350 Thompson's Stone Searcher, original, Fig. 3.



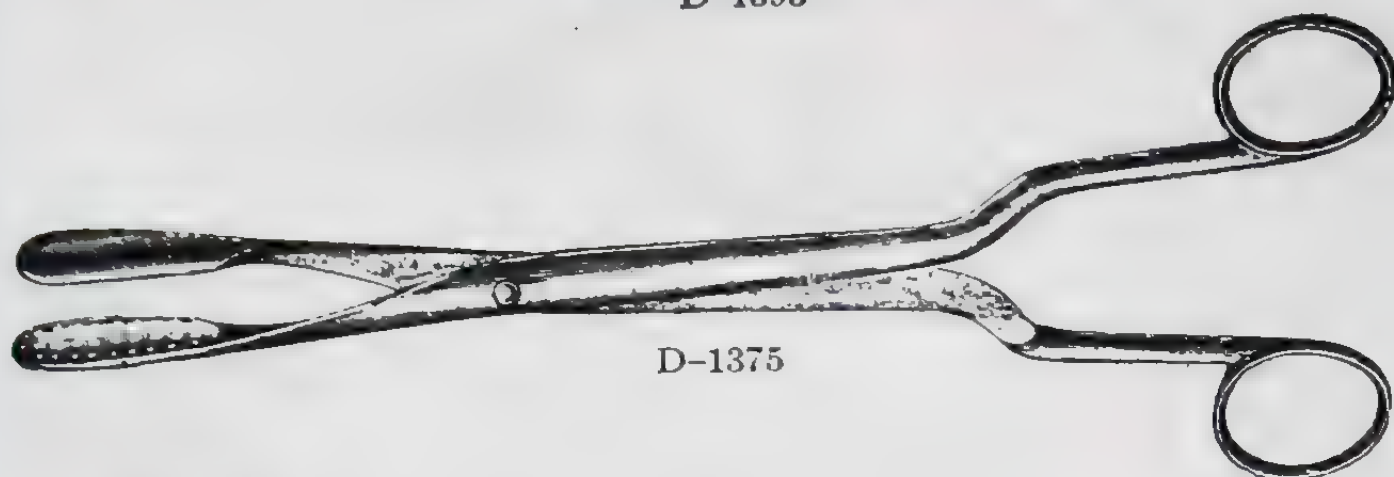
D-1416



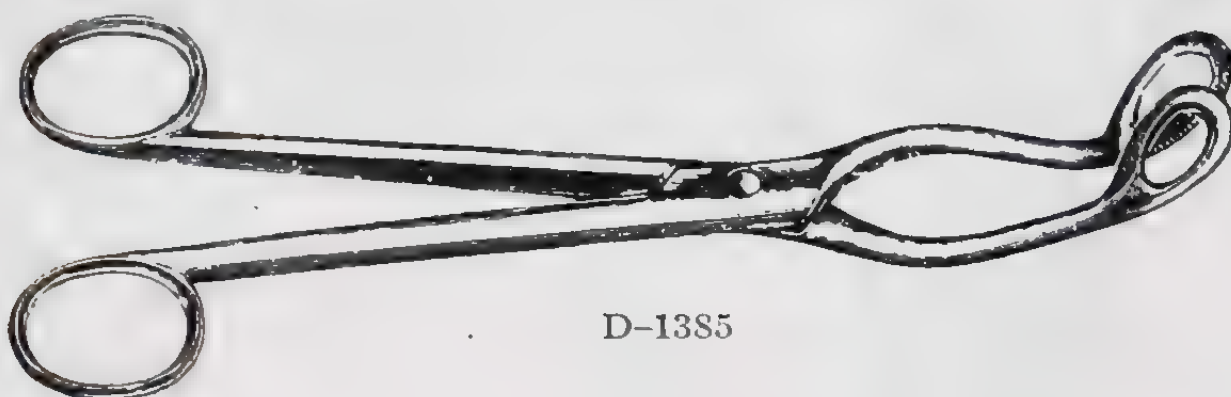
D-1390



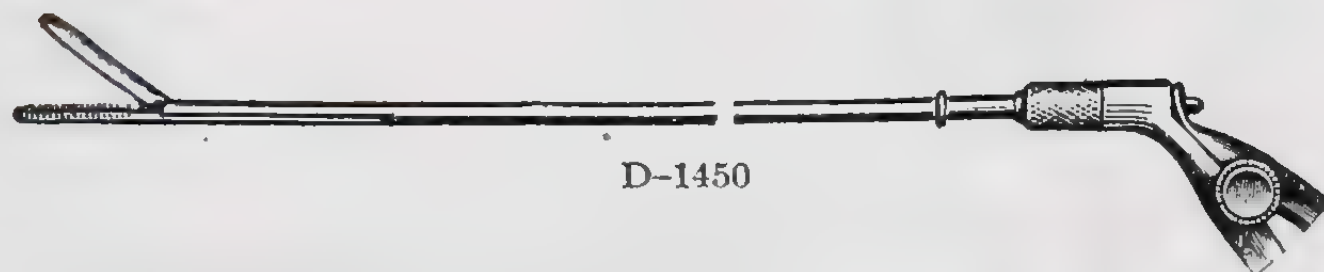
D-1395



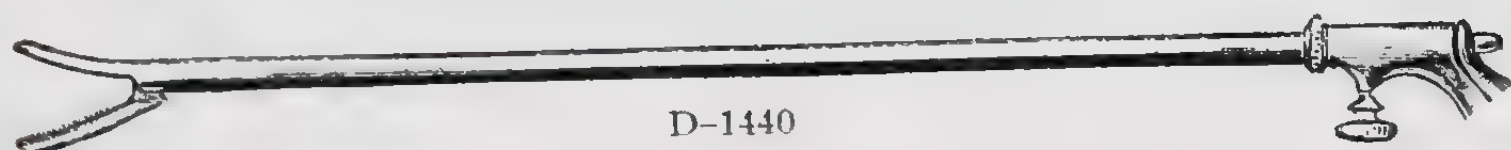
D-1375



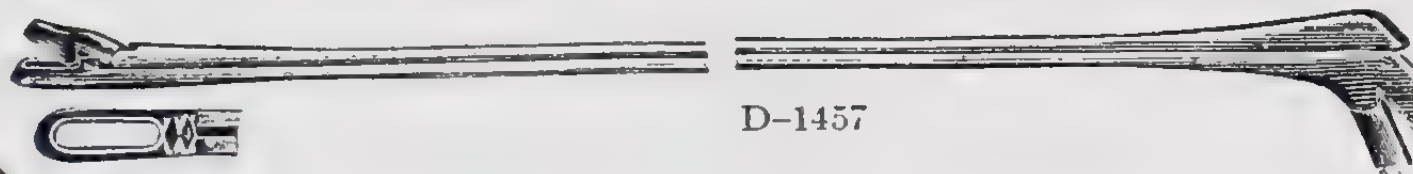
D-1385



D-1450



D-1440



D-1457

Lithotomy Forceps

- *D-1370 Bergman's.
- D-1375 Lewkowitz's, straight.
- *D-1376 Lewkowitz's, curved.
- *D-1380 Teevan's, fenestrated.
- D-1385 Thompson's, curved.
- *D-1386 Thompson's, bayonet shape.

Lithotomy Scoops and Gorgets

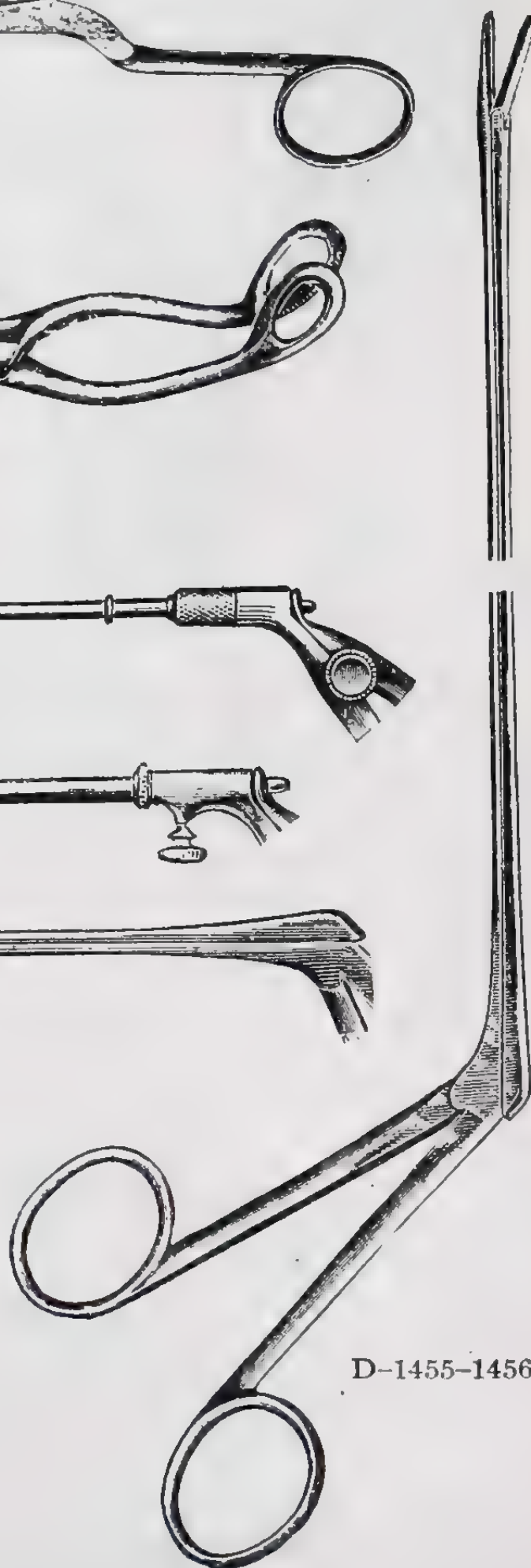
- D-1390 Little's Scoop.
- D-1395 Scoop with director.
- D-1400 Teale's Gorget.

Lithotomy Staffs

- *D-1410 Ferguson's.
- *D-1415 Little's Angular Director.
- D-1416 Little's Staff.
- *D-1420 Markoe's, double curve.
- *D-1425 Wheelhouse's.



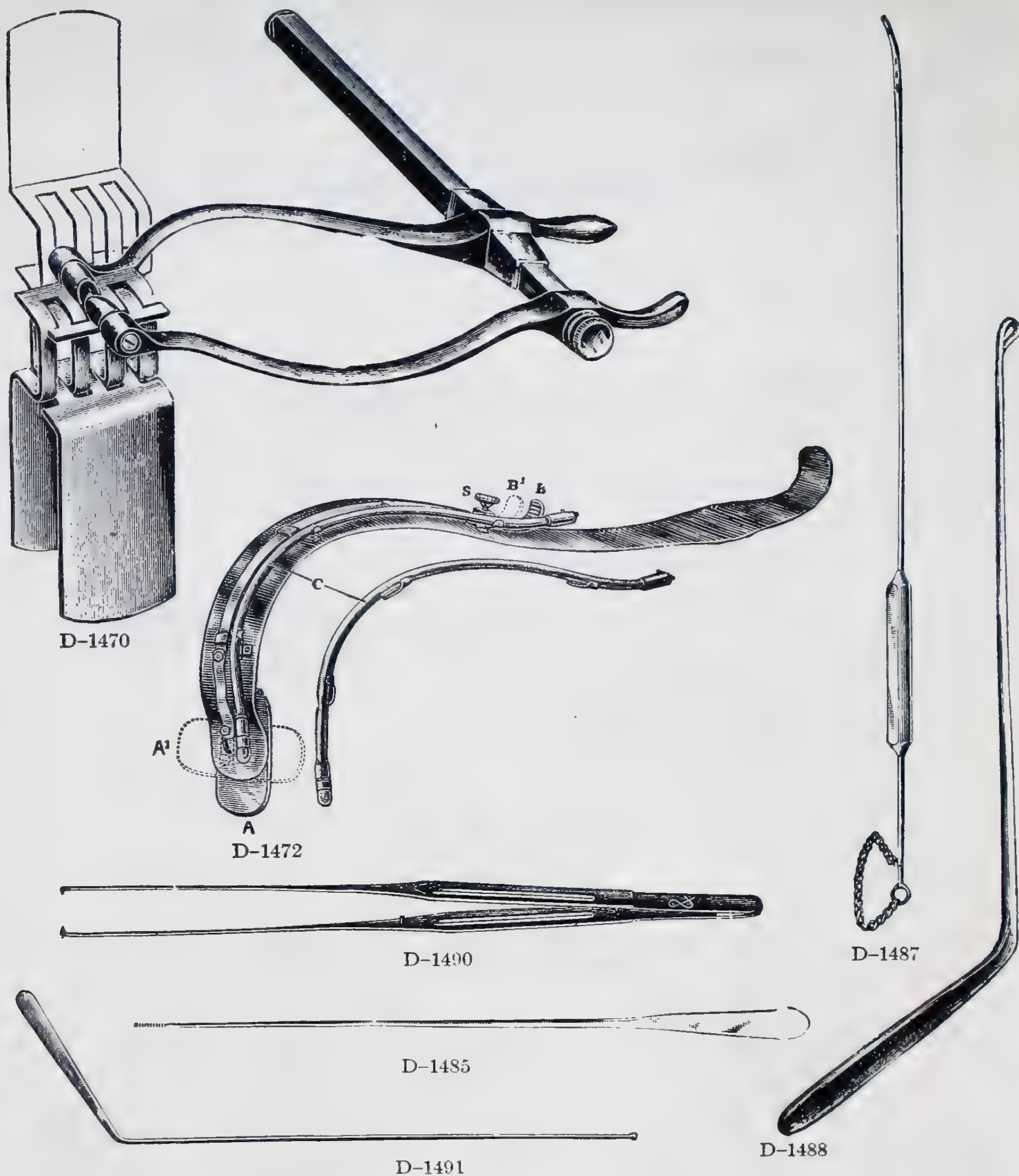
D-1400



D-1455-1456

Urethral and Bladder Forceps

- *D-1435 Collin's, angular with tubular stem.
- D-1440 Dittel's, angular with tubular stem.
- *D-1445 Kelly's, alligator jaw.
- D-1450 Lewis (Bransford), serrated edge.
- D-1455 Mathieu's, angular, 7½ inches.
- D-1456 Mathieu's, angular, 11 inches.
- D-1457 Mathieu's, angular, punch jaws.



Supra Pubic Retractors

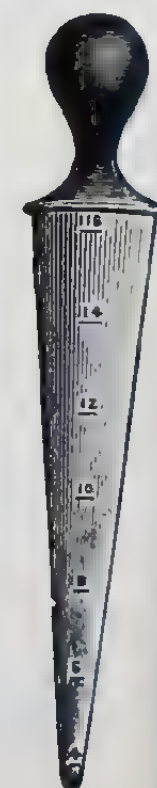
- *D-1460 Albarran's.
- *D-1461 Kocher's.
- D-1470 Masson's (Dr. J. C.).
- D-1472 Thomas', electrically lighted.
- *D-1473 Extra lamps for above
- *D-1475 Walker's, for transverse incisions $\frac{3}{4}$ inch and $1\frac{3}{4}$ inches wide.
- *D-1480 Watson's, 2 bladed, self-retaining, dilating parallel.
- *D-1481 Watson's, 3 bladed, self-retaining.

Urethral and Ureteral Instruments

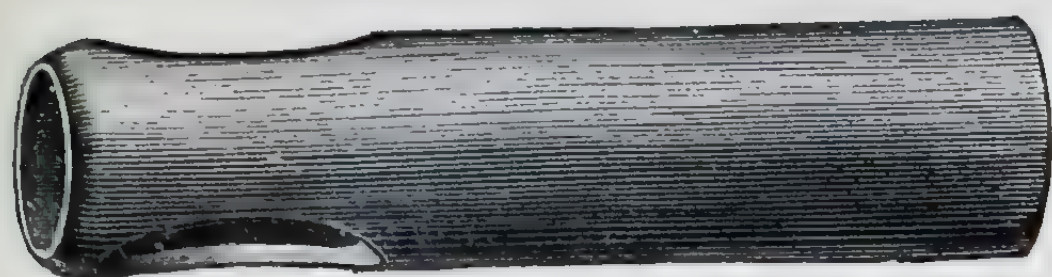
- D-1485 Applicator, Kelly's.
- D-1486 Calibrator, Kelly's, urethral.
- D-1487 Catheter, Kelly's, with plug and chain.
- D-1488 Curette, Kelly's, sharp.
- *D-1489 Dilator, Kelly's, urethral, double end, sizes 5 to 20 mm., plated.
- D-1490 Forceps, Kelly's, delicate, mouse tooth, $9\frac{1}{2}$ inches long.
- D-1491 Searcher, Kelly's,
- *D-1495 Segregator, Luy's, complete with 6 glass tubes, in metal case.

Scrotal Clamps

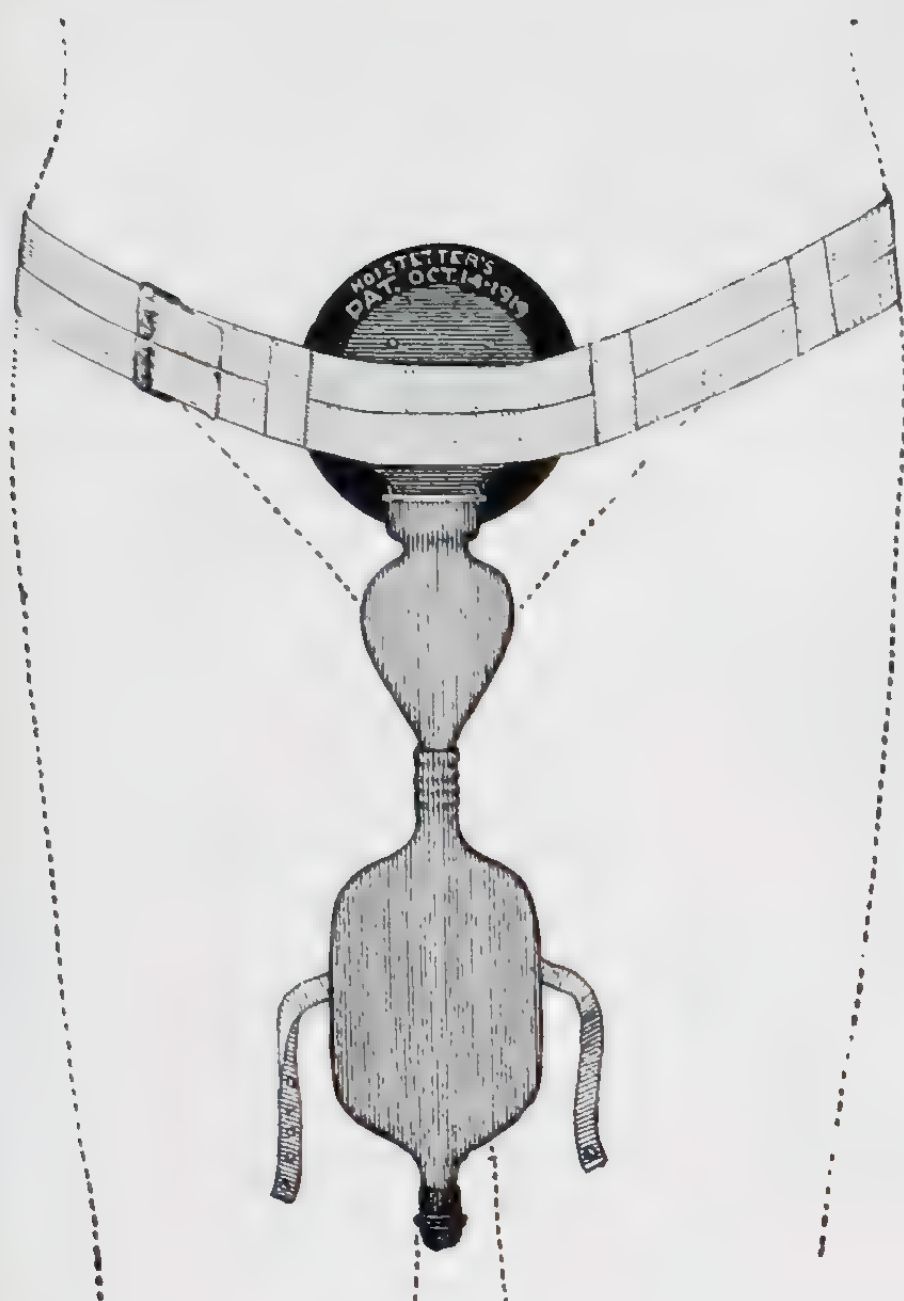
- *D-1500 Henry's.
- *D-1505 King's.
- *D-1510 Lewis'.



D-1486



D-1525



D-1520



D-1530 D-1531 D-1540 D-1541 D-1533 D-1546
D-1534 D-1542 D-1534 D-1547

Supra Pubic Drainage Appliance

- D-1520 **Hofstetter's**, complete with one pouch.
 *D-1521 **Hofstetter's**, extra pouch only.

The above appliance may be used for permanent as well as for temporary drainage.
 It is the latest and most satisfactory appliance made for the purpose.

- D-1525 **Freyer's**, heavy soft rubber, 11 cm. long, sizes, 15 mm., 20 mm., 24 mm. and 28 mm. diameter.

Ureteral Catheters, French, Silk Web

- D-1530 Cylindrical, plain, sizes 4 to 8.
 D-1531 Cylindrical, graduated, sizes 4 to 8.
 *D-1532 Cylindrical, plain, open end, sizes 4 to 8.
 D-1533 Cylindrical, graduated, open end, sizes 4 to 8.
 D-1534 Cylindrical, graduated, X-ray, sizes 4 to 8.
 D-1540 Olive point, plain, sizes 4 to 8.
 D-1541 Olive point, graduated, sizes 4 to 8.
 D-1542 Olive point, graduated, X-ray, sizes 4 to 8.
 *D-1545 Whistle end, plain, sizes 4 to 8.
 D-1546 Whistle end, graduated, sizes 4 to 8.
 D-1547 Whistle end, graduated, X-ray, sizes 4 to 8.



Section "E"



Gynecic

Hysterectomy

Obstetrical

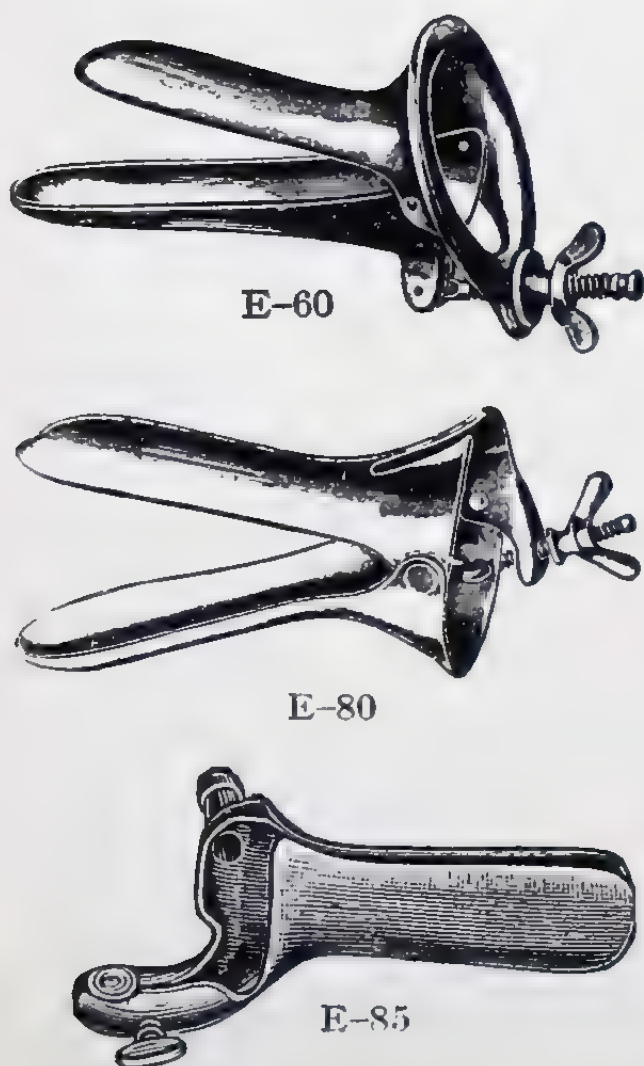
Instrument Satchels

Medicine Cases

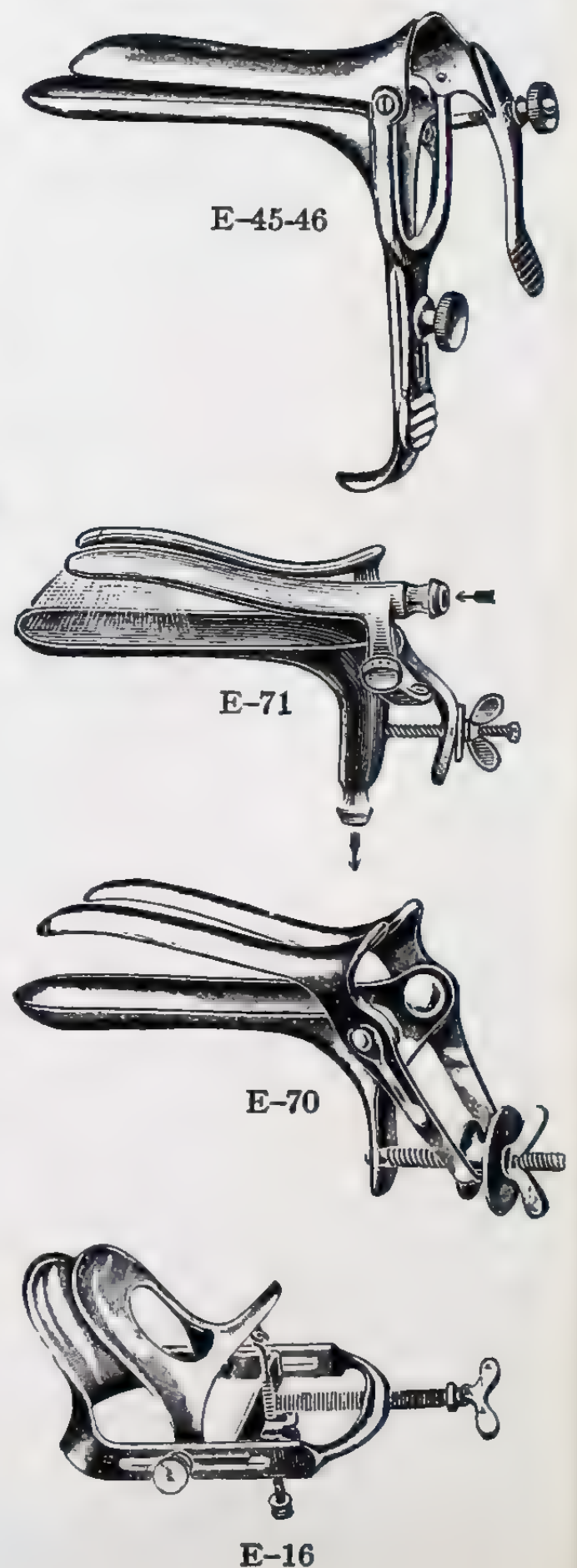
STANDARD SURGICAL INSTRUMENTS



Vaginal Specula



- E- 1 Auvard's, weighted, 1 size.
- *E- 2 Auvard's, with detachable weight.
- *E- 5 Beebe's, lateral, 1 size.
- E-10 Brewer's, regular, 3 sizes.
- E-11 Brewer's, extra large, 1 size.
- *E-15 Cavana's, regular, 1 size.
- E-16 Cavana's, operating, 1 size.
- E-20 Collins', 3 sizes.
- *E-25 Cusco's, 3 sizes.
- *E-26 Cusco's, latest pattern.
- *E-27 Cusco's, Virgin.
- E-30 DeVilbiss', regular, 3 sizes.
- *E-31 DeVilbiss', operating, 1 size.
- *E-35 Edebohl-Miller's, 1 size.
- E-40 Garrigue's, weighted, 1 size.
- E-45 Graves', regular, 2 sizes.
- E-46 Graves', large.
- E-47 Graves', operating, 1 size.
- *E-50 Hale's, virgin.
- *E-51 Hale's, regular, 2 sizes.
- E-55 Haslam's, ball bearing.
- E-60 Higbie's, 3 sizes.
- E-65 Miller's, 3 sizes.
- E-70 Nott's, 3 sizes.
- E-71 Nott's, irrigating.
- *E-73 Palmer's, self-retaining.
- E-75 Sim's, 5 sizes.
- E-80 Taylor's.
- E-85 Talley's.





E-135



E-130



E-117



E-116



E-115



E-108



1



2



3



4

E-100 to E-103



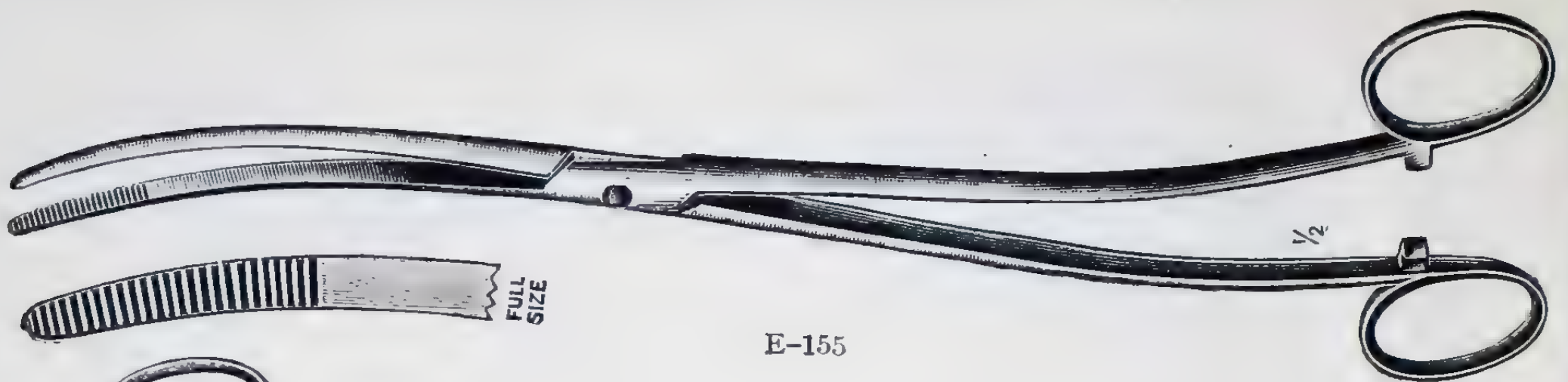
E-125



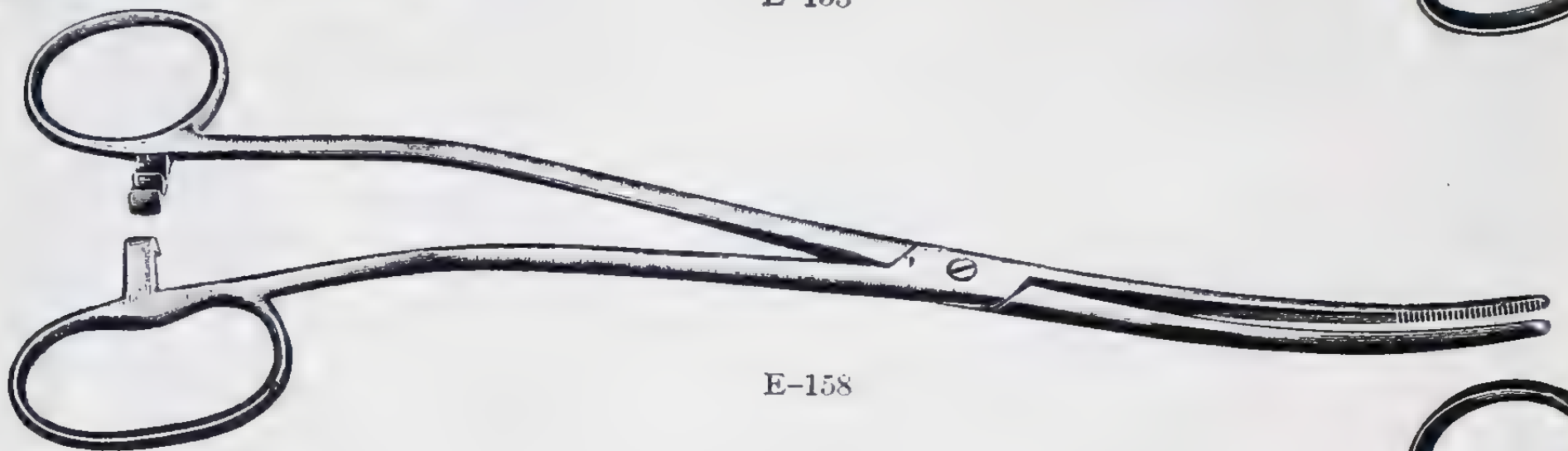
E-104

Uterine Applicators and Packers

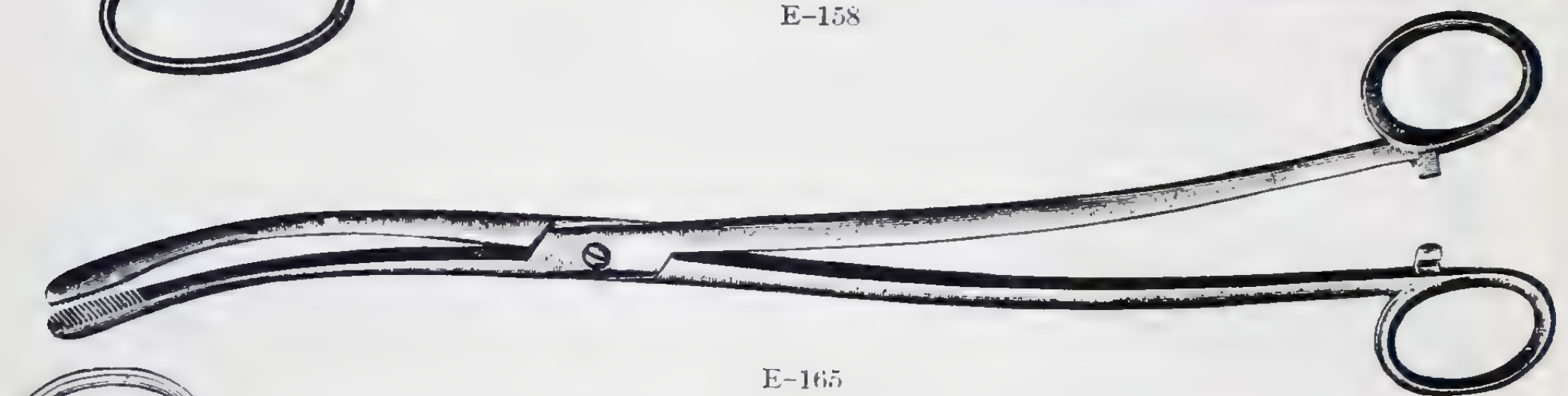
- E-100 Plain applicator, aluminum, rough end, No. 1.
- E-101 Plain applicator, aluminum, spiral end, No. 2.
- E-102 Plain applicator, aluminum, triangular end, No. 3.
- E-103 Plain applicator, aluminum, flat end, No. 4.
- E-104 Plain applicator, aluminum, double rough or flat and rough end.
- E-108 Bernay's Packer.
- *E-110 Emmett's Applicator with slide, plated or silver.
- E-115 Gauze Packer, 8½ inches long, ⅜ inch diameter.
- E-116 Gauze Packer, 12 inches long, ⅜ inch diameter.
- E-117 Gauze Packer, 12 inches long, ⅜ inch diameter.
- *E-118 Obturators for above gauze packers.
- *E-120 Kelly's Gauze Packer, trident.
- E-125 Martin's Applicator with 100 stems.
- E-130 McDade's Gauze Packer.
- E-135 Wood Applicators, 500 in bundle.



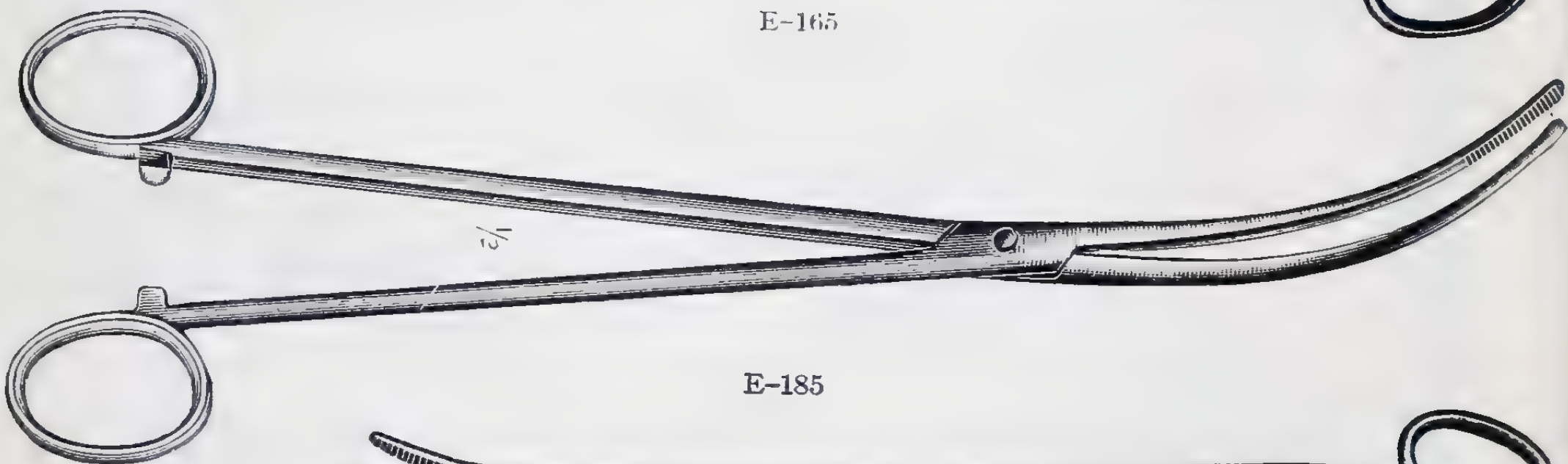
E-155



E-158



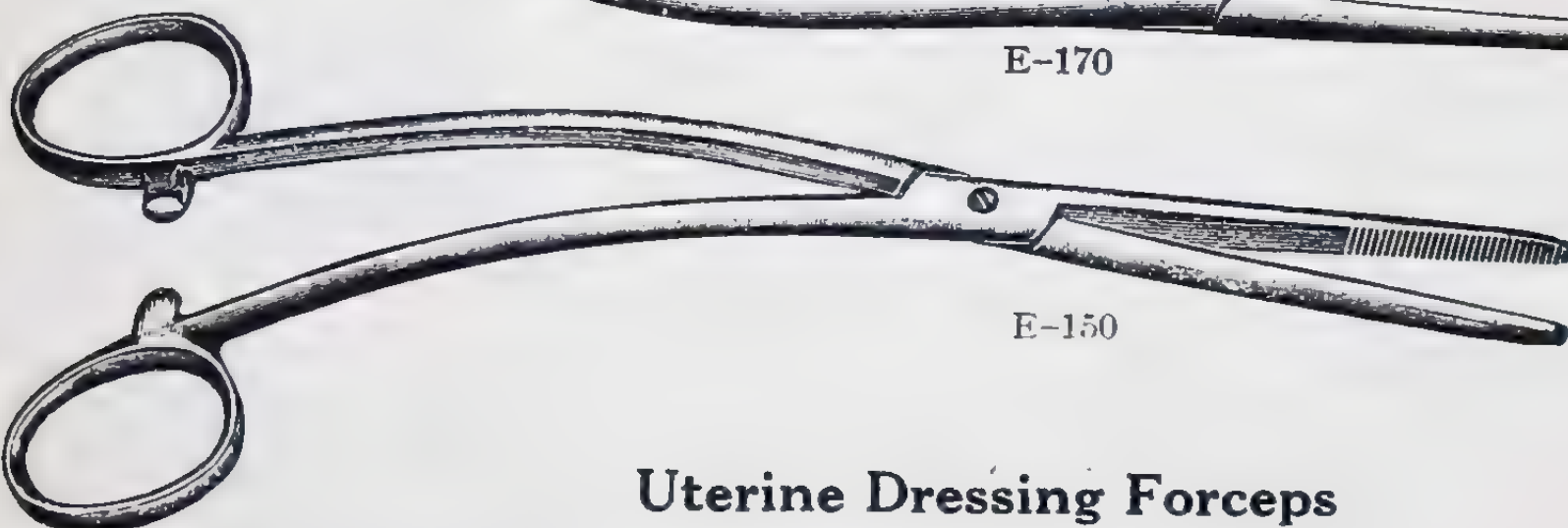
E-165



E-185



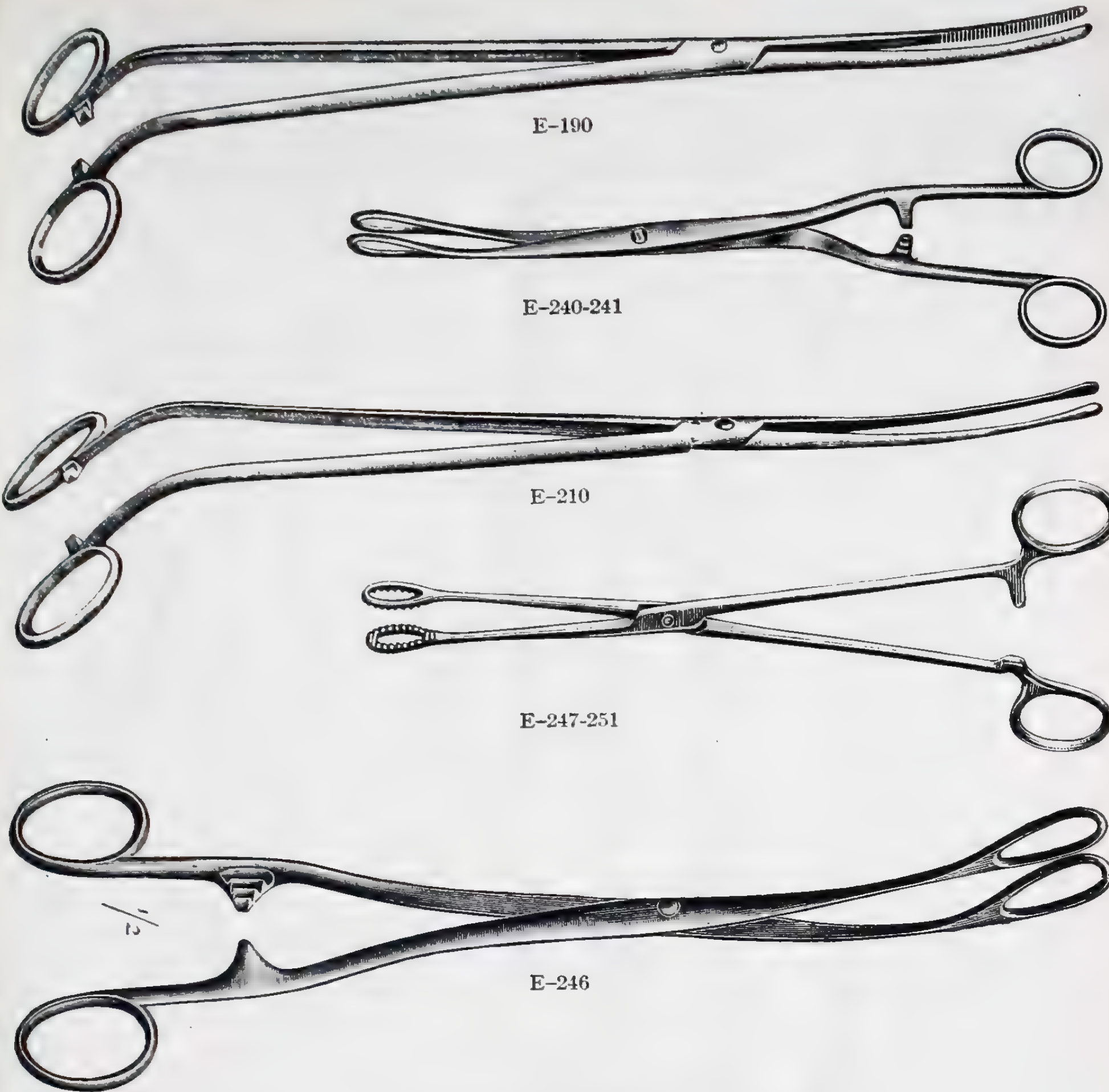
E-170



E-150

Uterine Dressing Forceps

- E-150 Barrett's, packing.
- E-155 Bozeman's, original model, serrated jaw.
- *E-156 Bozeman's, original model, mortise joint.
- *E-157 Bozeman's, original model, smooth flat jaw.
- E-158 Bozeman's, improved model, serrated jaws.
- *E-159 Bozeman's, improved model, concave jaw.
- *E-160 Bozeman's, improved model, smooth flat jaw.
- E-165 DeLee's, heavy packing.
- E-170 Douglass-Bozeman's, improved model, with triangular point, serrated jaws.
- *E-171 Douglass-Bozeman's, improved model, with triangular point, smooth jaws.
- *E-175 Elliott's, straight.
- *E-176 Elliott's, with bent handles.
- *E-180 Emmet's, with slide catch.
- E-185 Garrigue's, packing.



Uterine Dressing Forceps (continued)

- | | | | |
|--------|--------------|--------|-----------------------|
| E-190 | Harvey's. | E-210 | Thomas' applying. |
| *E-195 | Leonard's. | *E-215 | Walcher's, 12 inches. |
| *E-200 | Rothrock's. | *E-220 | Vaughan-Douglass'. |
| *E-205 | Schroeder's. | | |

Sponge-holding Forceps (see also pages 87 to 89)

- | | | | |
|--------|--|--------|--|
| E-240 | Bellevue, smooth blades. | *E-252 | Foerster-Haslam, curved, 7 inches, smooth jaw. |
| E-241 | Bellevue, serrated blades. | *E-253 | Foerster-Haslam, curved, 7 inches, serrated jaw. |
| *E-245 | Foerster's straight, 6 inches, 7 1/4 inches, 9 3/4 inches. | *E-254 | Foerster-Haslam, curved, 9 1/2 inches, smooth jaw. |
| E-246 | Foerster's, curved, 9 3/4 inches. | *E-255 | Foerster-Haslam, curved, 9 1/2 inches, serrated jaw. |
| E-247 | Foerster-Haslam, straight, 7 inches, smooth jaw. | *E-260 | Husson's Sponge Holder. |
| E-248 | Foerster-Haslam, straight, 7 inches, serrated jaw. | *E-265 | Kelly's. |
| E-249 | Foerster-Haslam, straight, 8 inches, plain jaw. | *E-270 | Polk's. |
| E-250 | Foerster-Haslam, straight, 9 1/2 inches, plain jaw. | *E-275 | Plain Sponge Holder, straight. |
| E-251 | Foerster-Haslam, straight, 9 1/2 inches, serrated jaw. | *E-276 | Plain Sponge Holder, curved. |
| | | *E-280 | Wilson's, serrated jaw. |



Uterine Applying Syringes (See also page 27)

- *E-290 **Braun's.**
- *E-295 Hard rubber, $\frac{1}{2}$ ounce, 1 ounce and 2 ounces.
- *E-300 **Kelly's**, silver, with flexible tube.
- *E-305 **Woodward's**, with flexible silver tube.

Uterine Elevators, Probes and Sounds

- *E-310 **Elliott's** Elevator, with elastic web cover.
- E-311 **Elliott's** Elevator, all metal, spiral.
- E-315 **Fitch's** Sound, Fig. 3.
- E-320 **Jenk's** Sound.
- *E-322 **Ludlam's** Elevator.
- E-325 **Martin's** Sound, graduated.
- E-330 **Sims' Probe**, plated or aluminum.
- E-331 **Sims' Probe**, silver.
- E-332 **Sims' Sound**, Fig. 1.
- E-335 **Simpson's** Sound, graduated, Fig. 2.

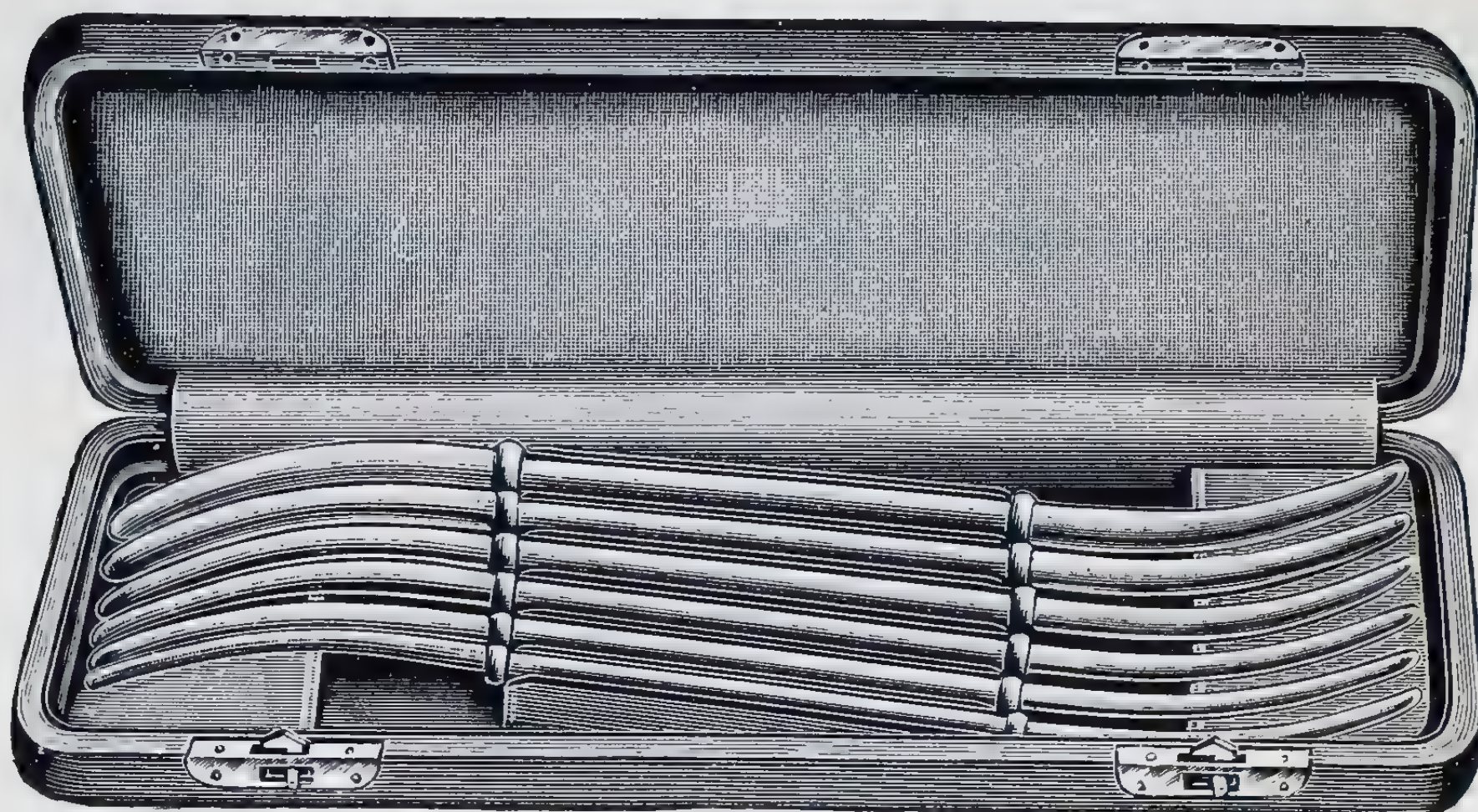
Uterine Curettes

- E-350 **Blakes'**, double, blunt and sharp.
- *E-355 **Boldt's**, carcinoma, sharp.
- *E-360 **Burt's**, double, spoon and loop.
- E-365 **Goelet's**, flexible shank, 4 sizes.
- E-370 **Green's**, serrated, 3 sizes.
- E-375 **Langstaff's**, 4 sizes.
- *E-380 **Martin's**, double end, blunt spoons.
- *E-385 **Recamier's**, sharp, 6 sizes.

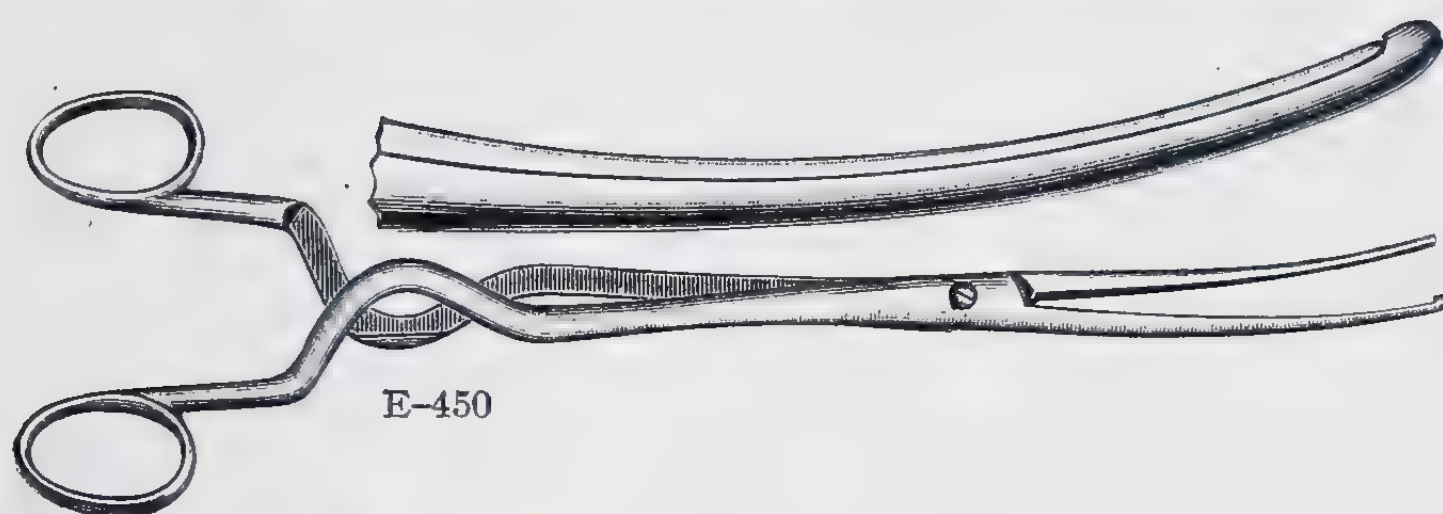


Uterine Curettes (continued)

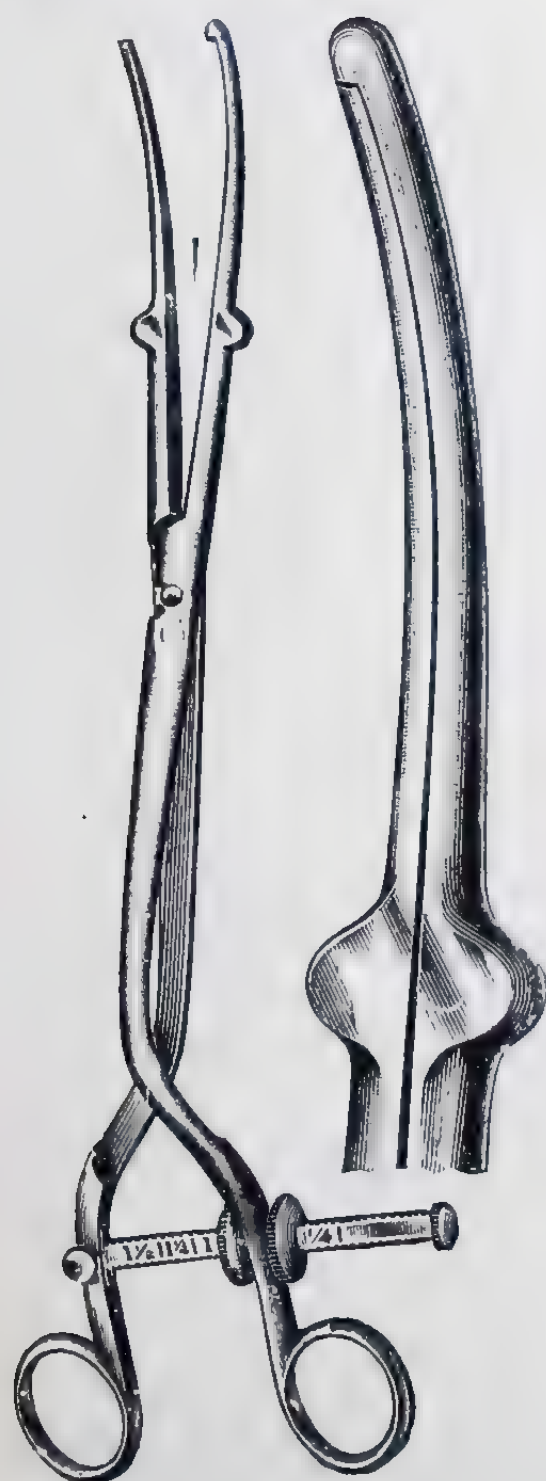
- | | | | |
|--------|--|--------|---|
| *E-390 | Berlin, set of three, with 1 handle, irrigating. | *E-397 | Goldstein's , irrigating, 3 sizes. |
| *E-391 | Berlin, set, as above, in leather or khaki case. | *E-400 | Rheinstetter's , irrigating, blunt, 3 sizes. |
| *E-392 | Berlin Gynaecological Set, consisting of 3 irrigating curettes, 1 tenaculum, 1 probe, 1 Simpson's sound, 1 applicator, 1 sponge holder and 2 handles, in flexible leather or khaki case. | *E-401 | Rheinstetter's , irrigating, sharp, 3 sizes. |
| E-395 | Combined set of three, with one fine, large handle, irrigating | *E-405 | Simon's , sharp, 6 sizes. |
| *E-396 | Combined set as above, in khaki case. | *E-406 | Simon's , blunt, 6 sizes. |
| | | E-410 | Skene's , 3 sizes. |
| | | E-411 | Skene's , irrigating, 3 sizes. |
| | | E-415 | Sims' , sharp, 6 sizes. |
| | | E-416 | Sims' , sharp, rinsing, 3 sizes. |
| | | E-420 | Thomas' , blunt, 3 sizes. |
| | | E-421 | Thomas' , blunt, irrigating, 3 sizes. |
| | | E-425 | Wylies' , sharp, 3 sizes. |



E-466



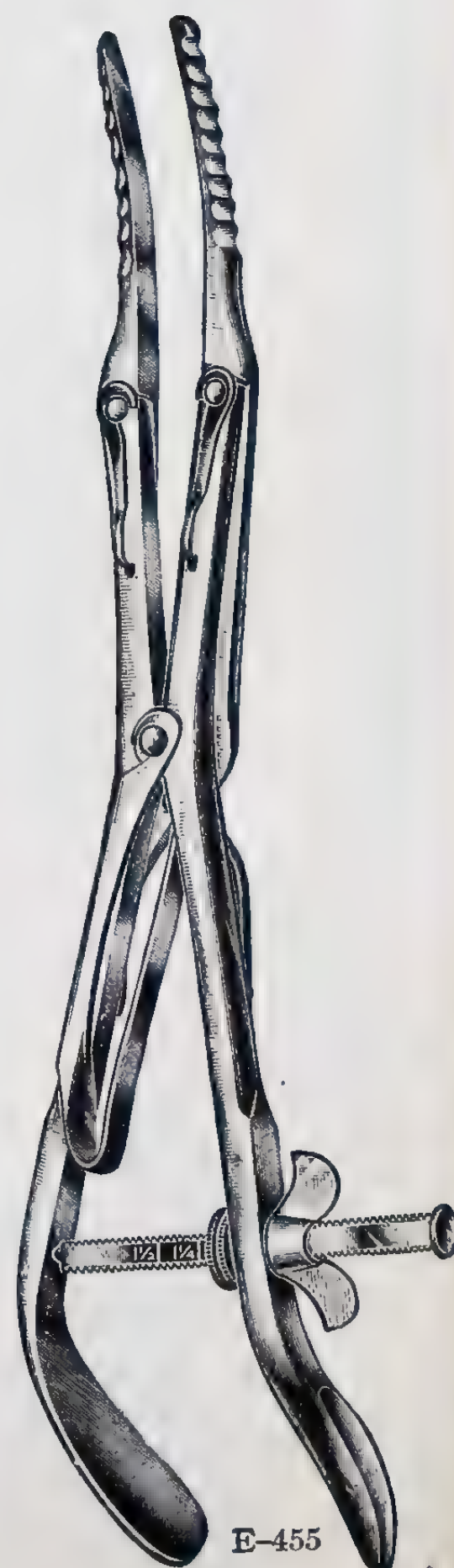
E-450



E-485-486

Uterine Dilators

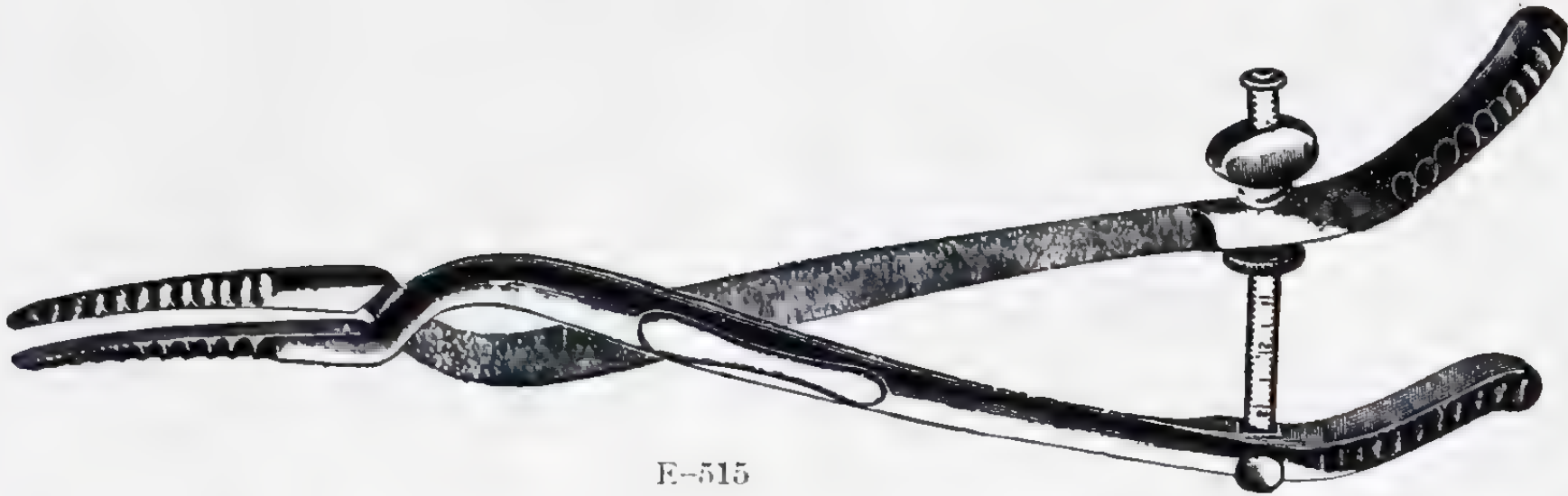
- E-450 **Atlee's**, slender blades.
- E-455 **Goodell's**, small and large.
- *E-460 **Hegar's**, set of 25, hard rubber.
- *E-461 **Hegar's**, set of 25, metal, in case.
- *E-465 **Hank's**, double end, set of six, hard rubber.
- E-466 **Hank's**, double end, set of six, metal, in case.
- *E-475 **Nott's**.
- *E-480 **Outerbridge's**, set of six, with introducer.
- *E-481 **Outerbridge's**, dilators only, 3 sizes, straight and curved.
- E-485 **Palmer's**, plain, smooth or corrugated blades.
- E-486 **Palmer's**, fine, smooth or corrugated blades.



E-455



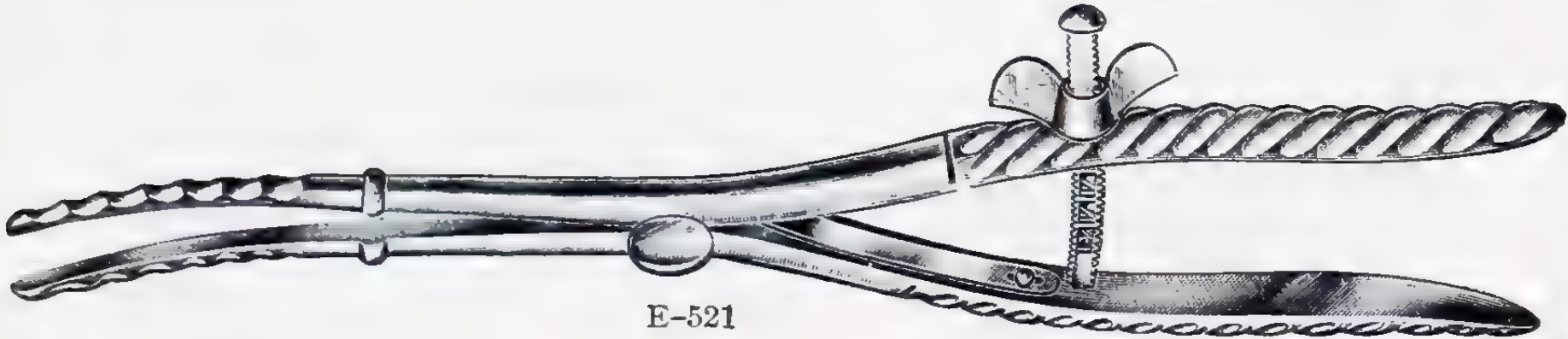
E-487



E-515



E-520



E-521



E-510

Uterine Dilators (Continued)

- E-487 **Palmer's**, improved, with large ring.
- *E-490 **Pryor's**.
- *E-495 **Richter's**, with parallel dilating blades.
- *E-496 **Richter's**, with 4 dilating blades.
- E-500 Sea Tangle, tents, solid and hollow.
- E-505 Sponge tents, straight and curved.
- E-510 **Starlinger's**, double end.
- E-515 **Wathen's**.
- E-520 **Wylie's**, without set screw, smooth or corrugated blades.
- E-521 **Wylie's**, with set screw, smooth or corrugated blades



E-505



E-500



E-555

E-530

E-565

E-550

E-575

E-576

E-570

E-545

E-540

E-605

Uterine Douches

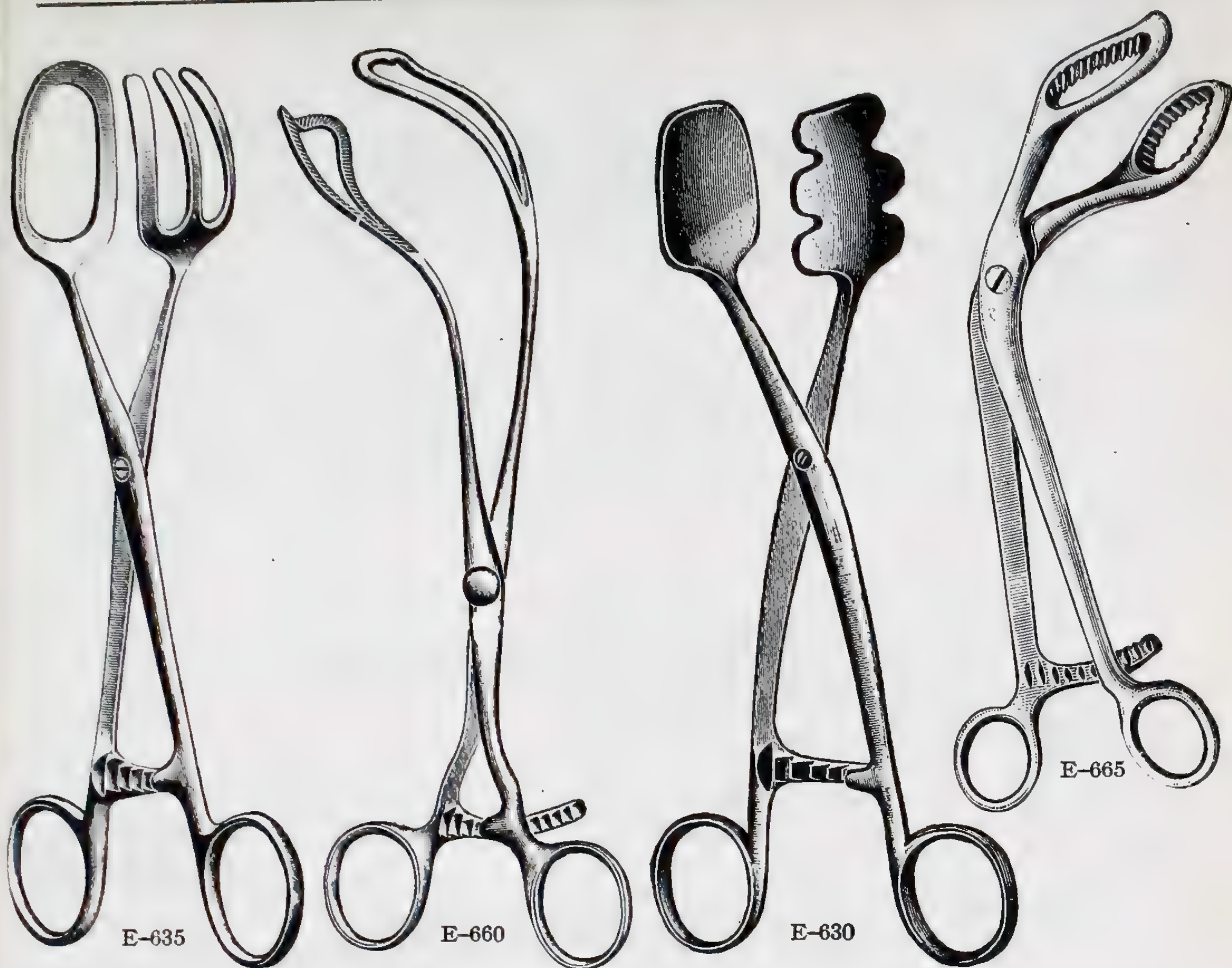
- E-530 **Bozeman's**, regular and extra large.
- *E-535 **Bozeman-Fritche's**, regular and large.
- E-540 **Chamberlain's**, glass.
- E-545 **Climax**, dilating.
- E-550 **Edgar's**.
- E-555 **Glasgow's**.
- *E-560 **Jenning's**, latest, perforated.
- E-565 **Kelly-Bozeman's**.
- E-570 **Langstaff's**.
- E-575 **Leonard's**.
- E-576 **Leonard's**, dilating.
- *E-580 **Reade-Jennison's**.
- *E-585 **Talley's**, same as Leonard's, very small.

Uterine Tissue Forceps, Spring

- *E-600 **Kelly's**, 9 inches, 4 and 5 teeth.
- *E-601 **Kelly's**, 9 inches, 4 and 5 teeth, fenestrated handles.
- E-605 Plain, straight, 8 inches, 1 and 2, 2 and 3, 3 and 4, 4 and 5 teeth.
- E-606 Plain, curved, 8 inches, 1 and 2, 2 and 3, 3 and 4, 4 and 5 teeth.
- *E-610 **Skene's**, slide catch, straight.
- E-611 **Skene's**, slide catch, curved.

E-611

E-606

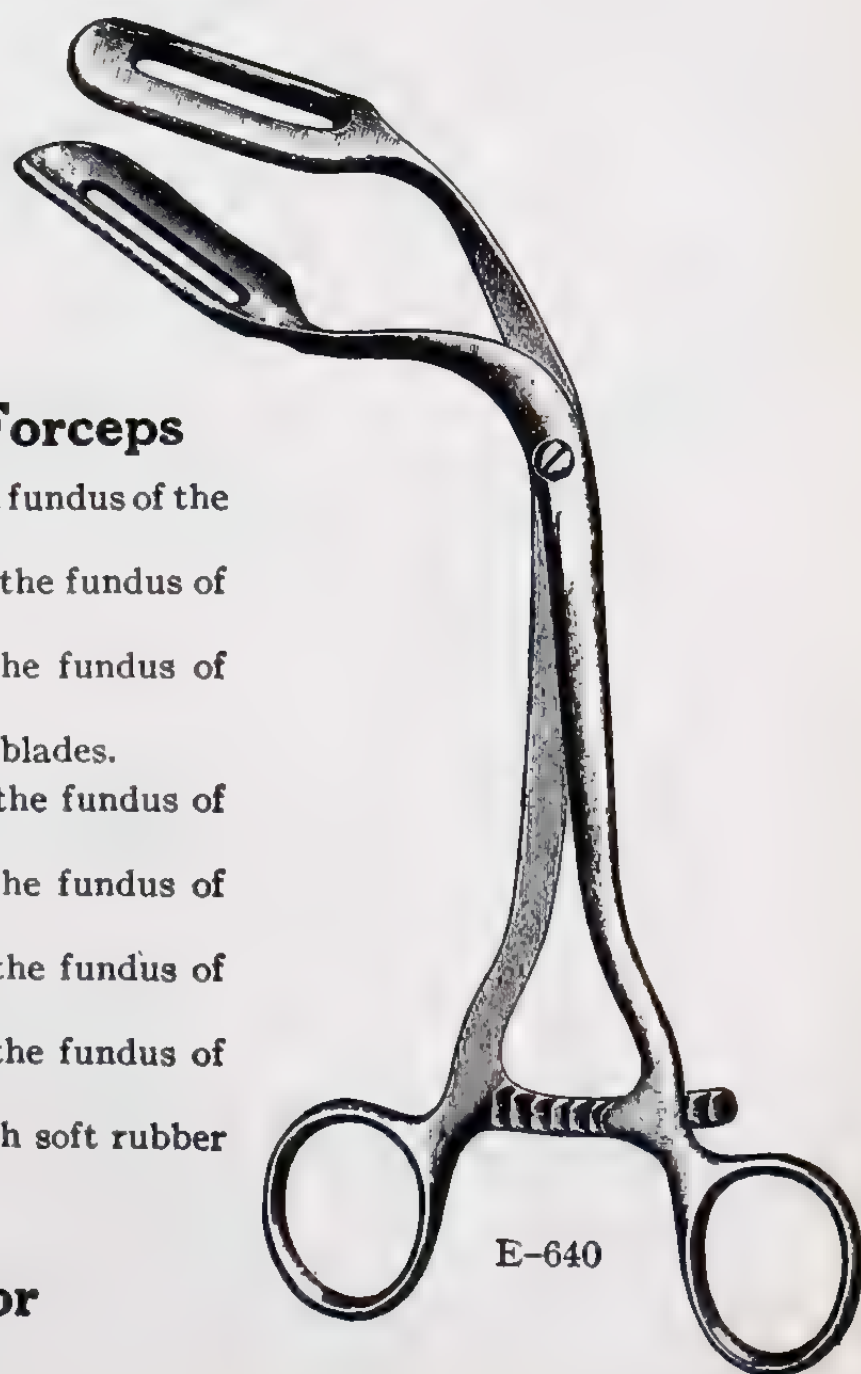


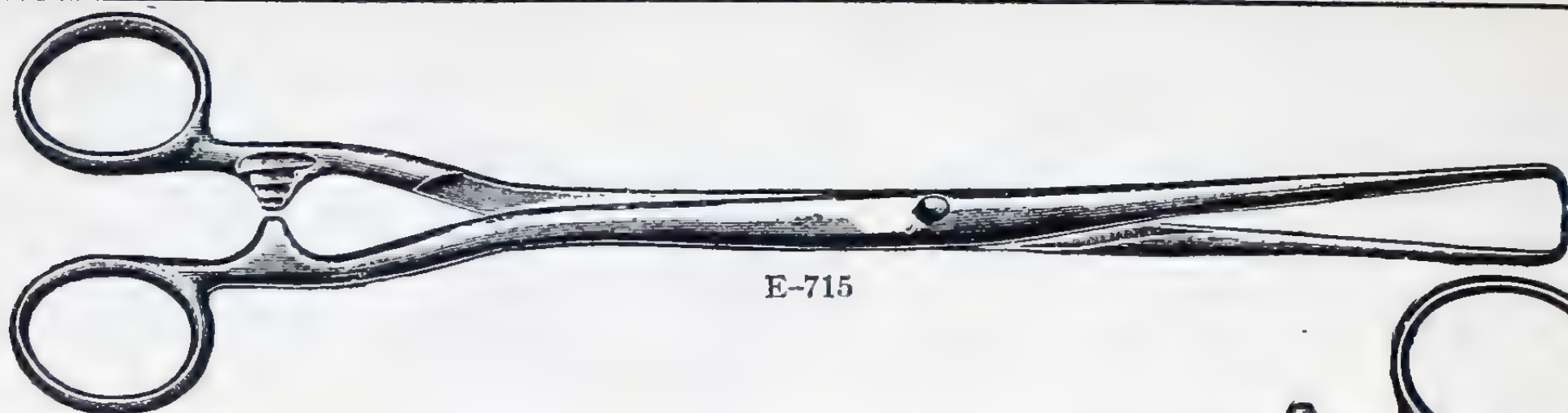
Uterine Elevating Forceps

- E-630 **Allen's**, for grasping the fundus of the uterus.
- E-635 **Barrett's**, for grasping the fundus of the uterus.
- E-640 **Berry's**, for grasping the fundus of the uterus.
- *E-645 **Collins'**, with movable blades.
- *E-650 **Cullen's**, for grasping the fundus of the uterus.
- E-660 **Sherk's**, for grasping the fundus of the uterus.
- E-665 **Somer's**, for grasping the fundus of the uterus.
- *E-670 **Taylor's**, for grasping the fundus of the uterus.
- *E-675 **Young's**, one blade with soft rubber jaw.
- E-655 **Schoenberg's**.

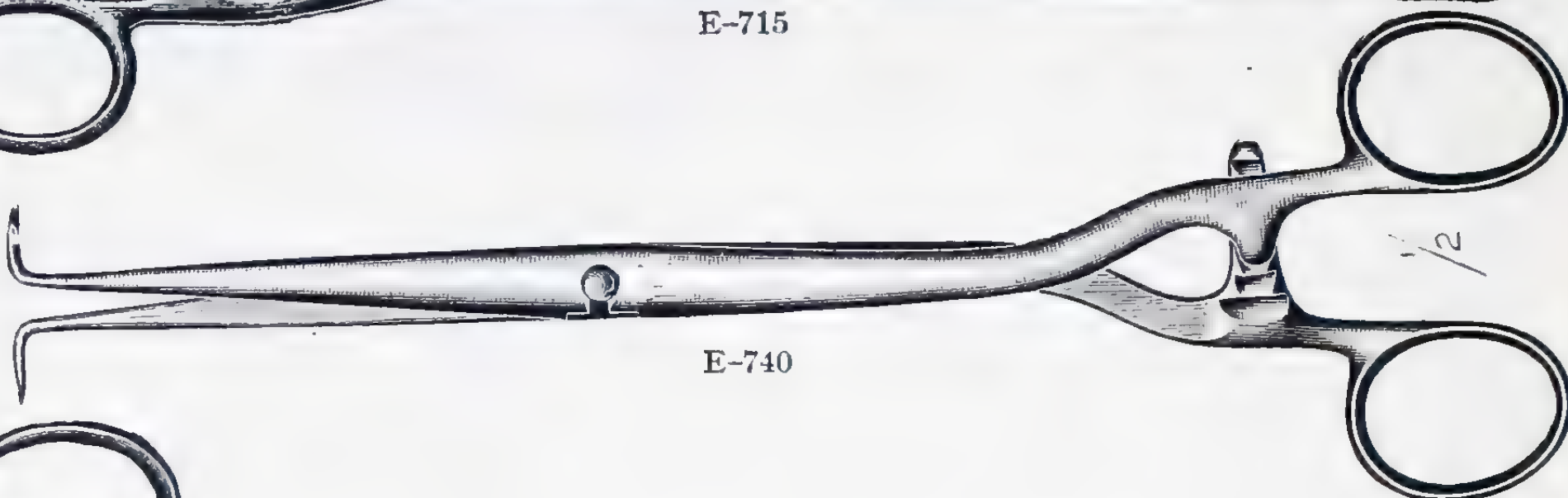
Uterine Tractor

- *E-680 **Pryor's**.

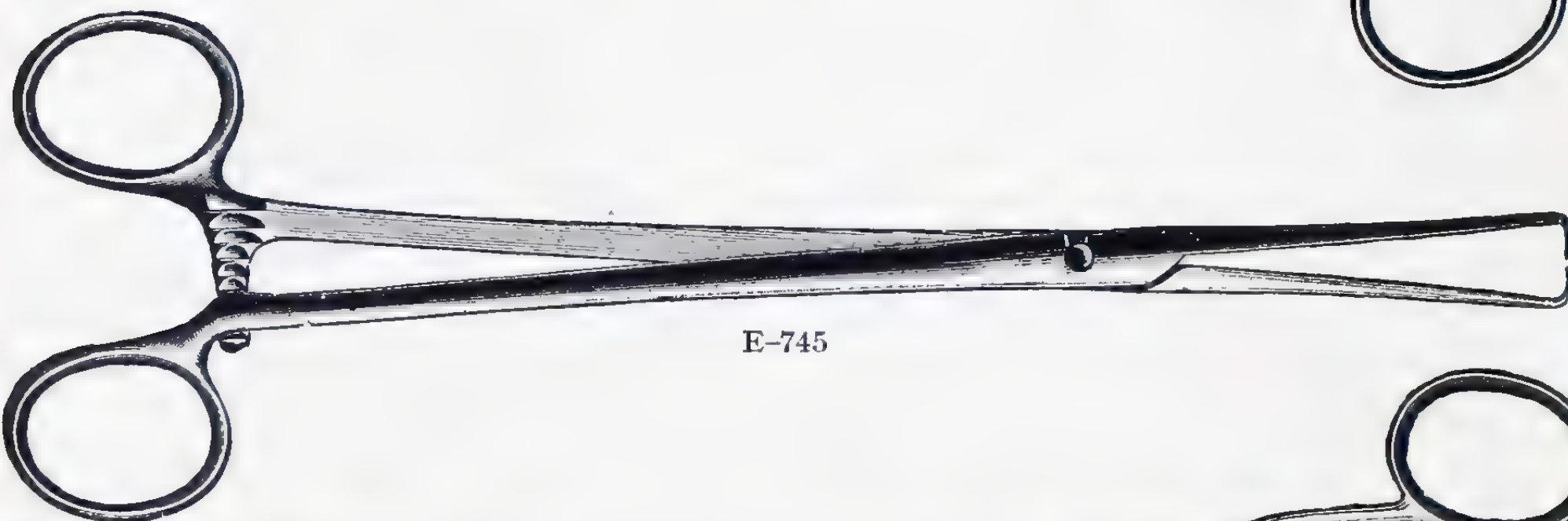




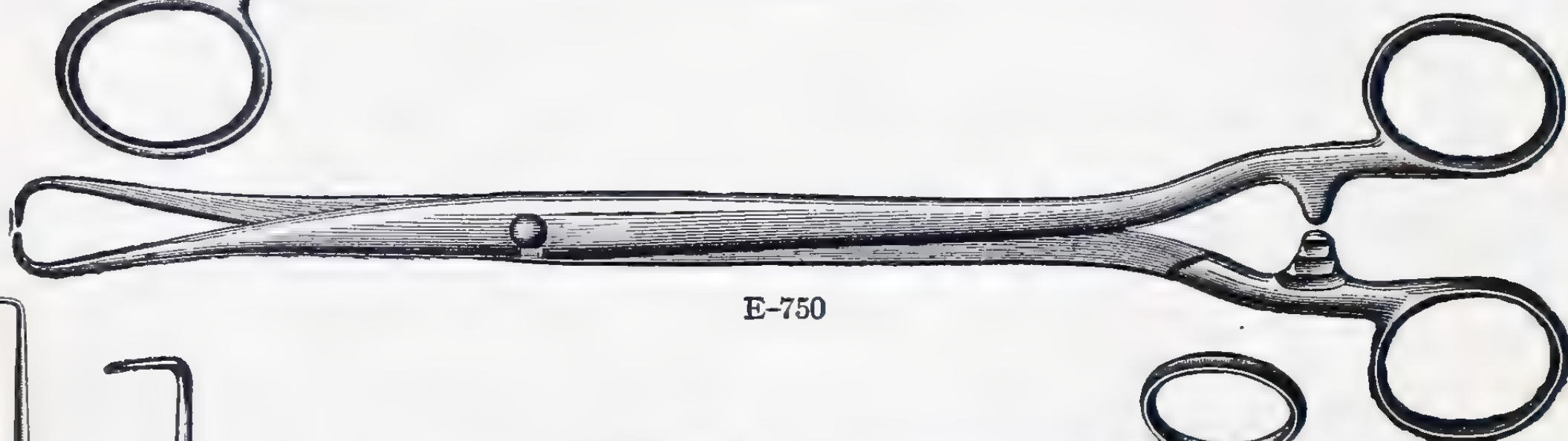
E-715



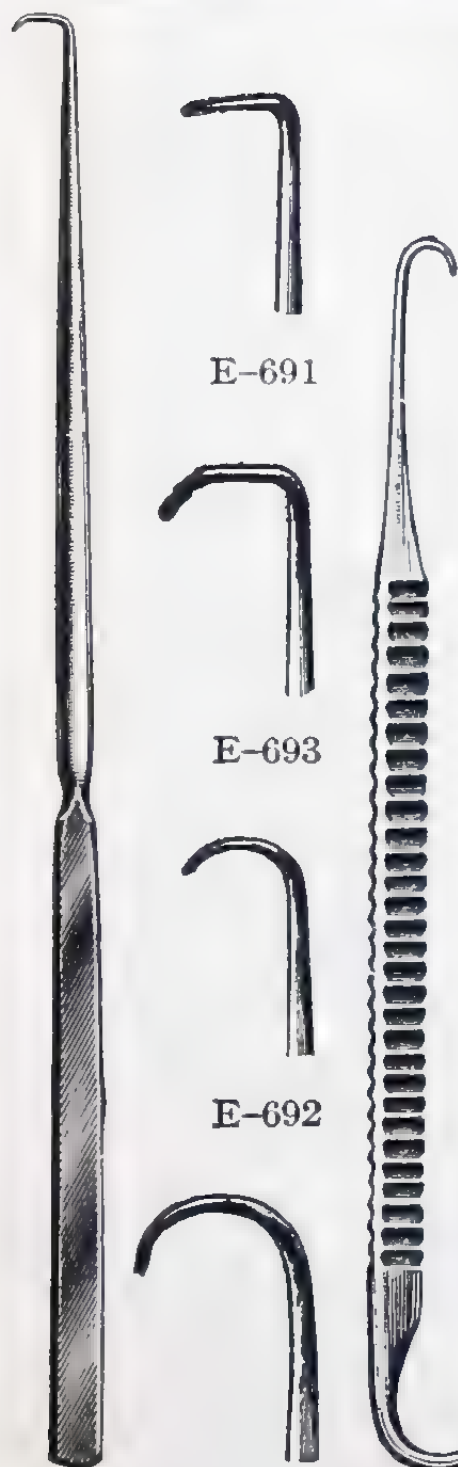
E-740



E-745



E-750



E-691



E-693



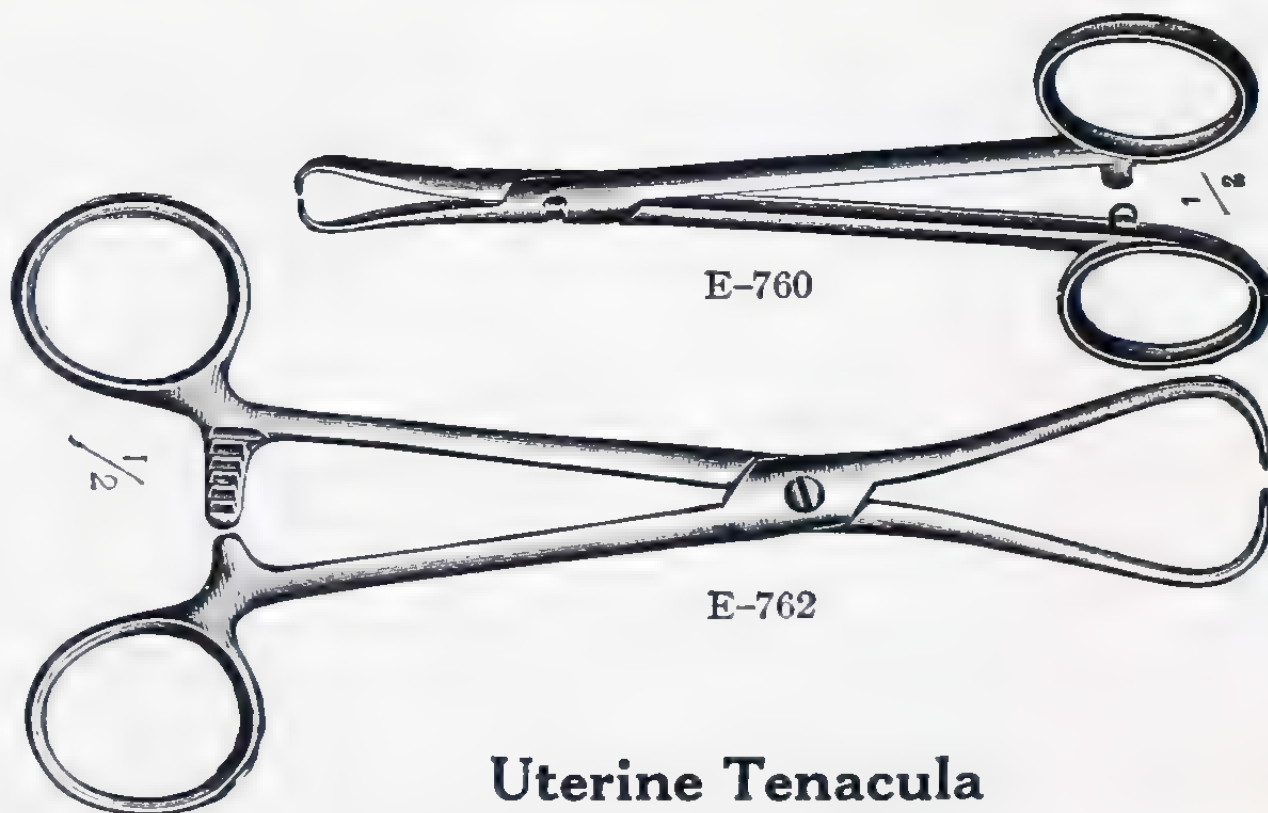
E-692



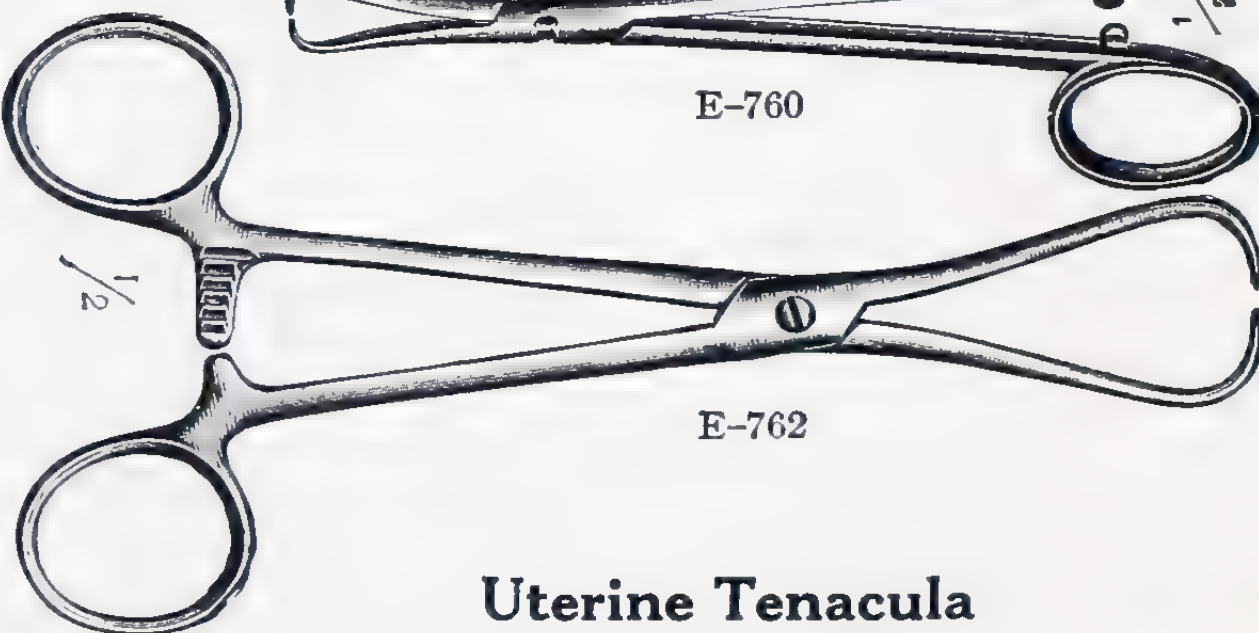
E-700



E-695



E-760



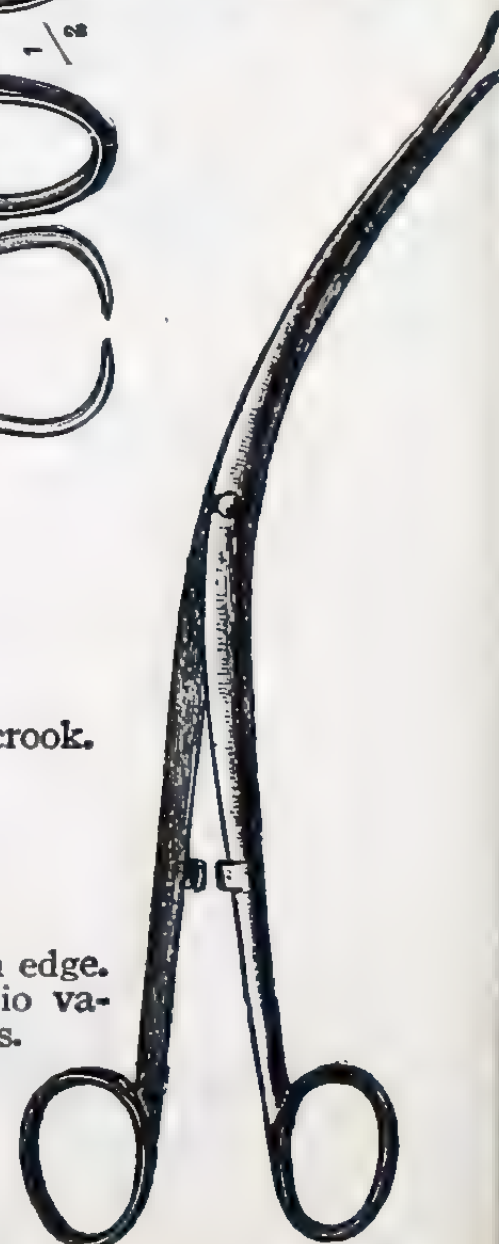
E-762

Uterine Tenacula

- | | | | |
|--------|--------------------------|--------|--------------------------|
| *E-690 | Emmet's, angular, acute. | E-695 | Kelly's. |
| E-691 | Emmet's, right angled. | *E-696 | Kelly's, shepherd crook. |
| E-692 | Emmet's, round. | E-700 | Sims'. |
| E-693 | Emmet's, double angle. | | |

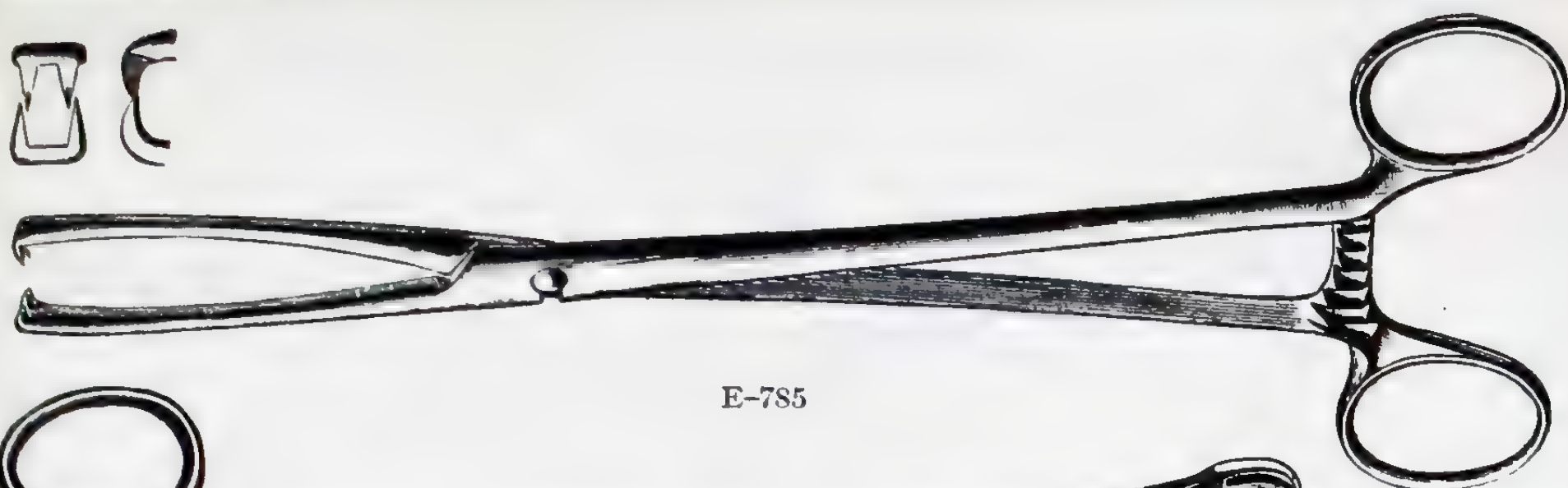
Uterine Tenaculum Forceps

- | | | | |
|--------|------------------------------------|--------|--|
| *E-710 | Barrett's, straight, 7 inches. | E-750 | Schroeder's. |
| *E-711 | Barrett's, cross action, 7 inches. | E-755 | Skene's, curved on edge. |
| E-715 | Braun's. | E-760 | Staupe's, for portio vaginalis, 5½ inches. |
| *E-720 | Donoghue's. | *E-761 | Staupe-Moore's, 6¼ inches, short hooks. |
| *E-725 | Duplay's. | E-762 | Staupe-Moore's, 6¼ inches, long hooks. |
| *E-730 | Goelet's, angular. | *E-765 | Wylie's. |
| *E-735 | Martin's. | | |
| E-740 | Newman's. | | |
| E-745 | Pozzi's. | | |

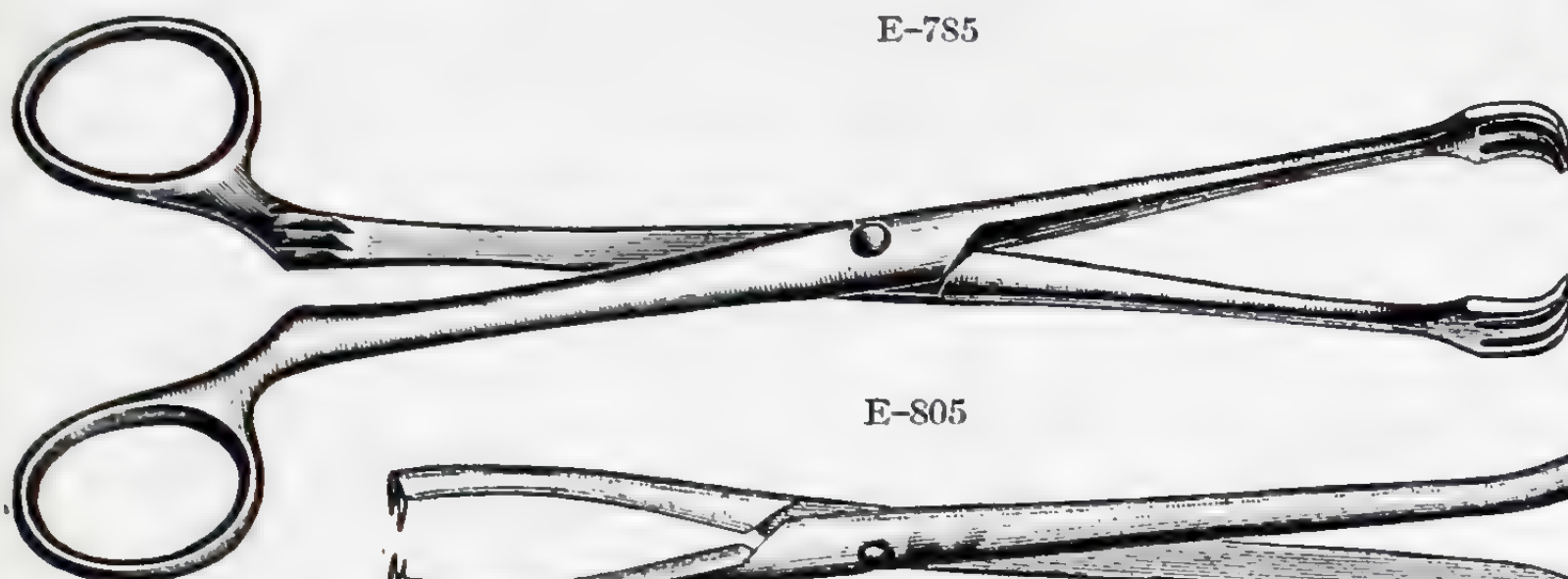


E-755

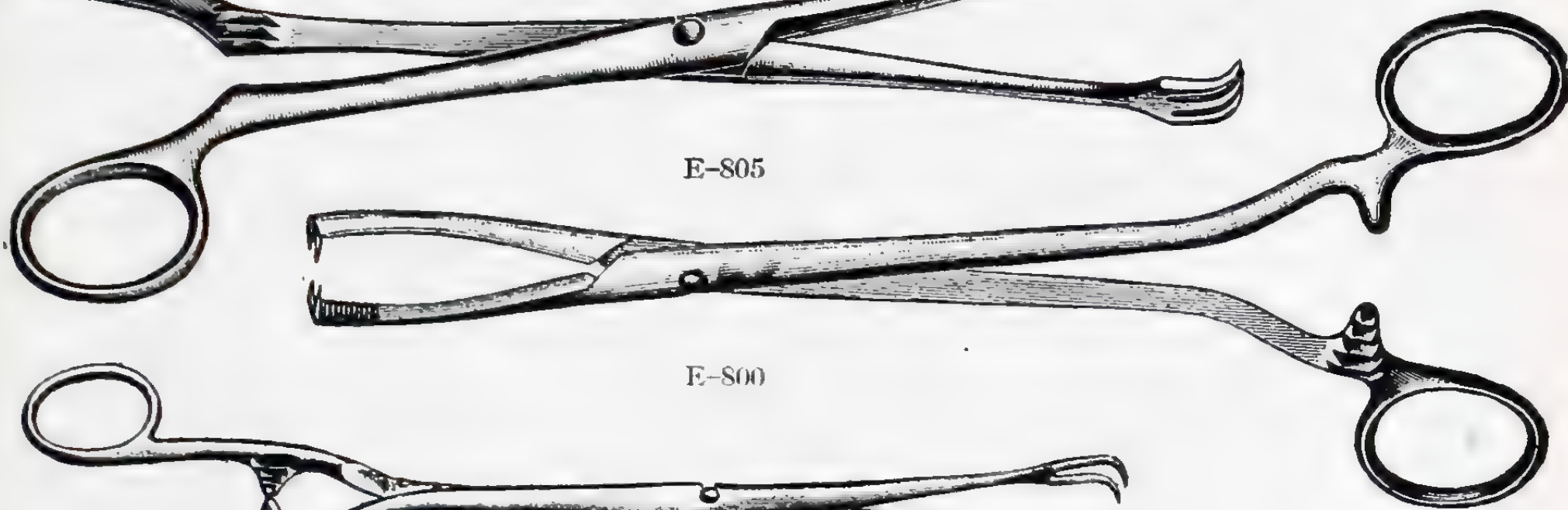
E-693



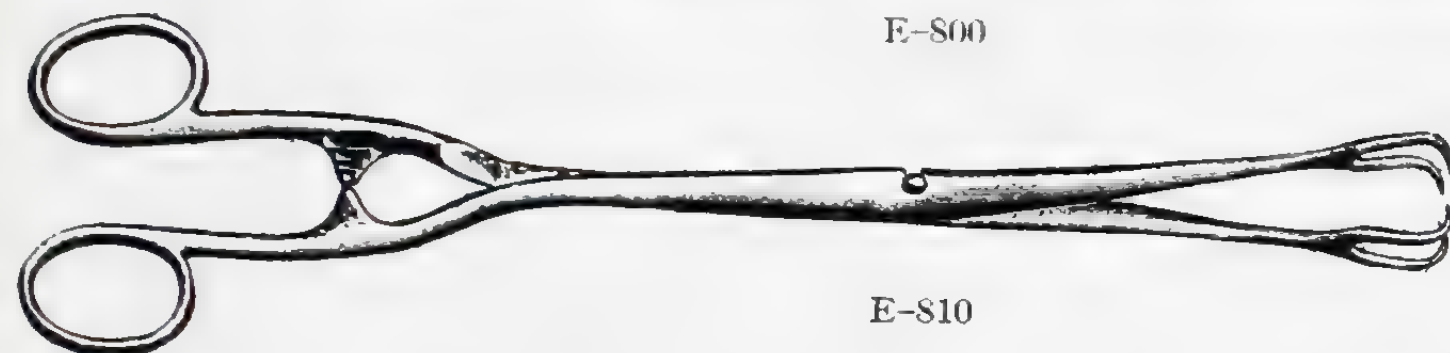
E-785



E-805



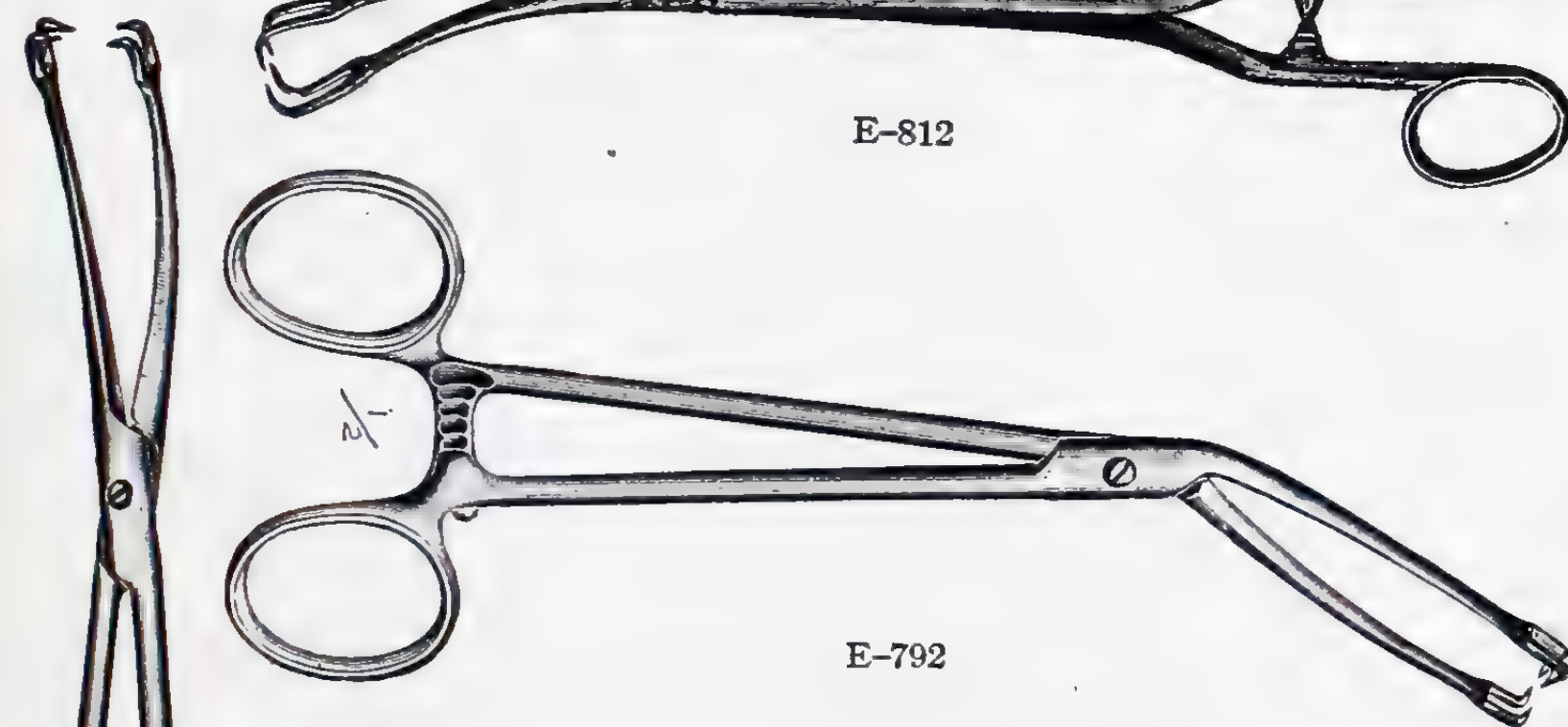
E-800



E-810



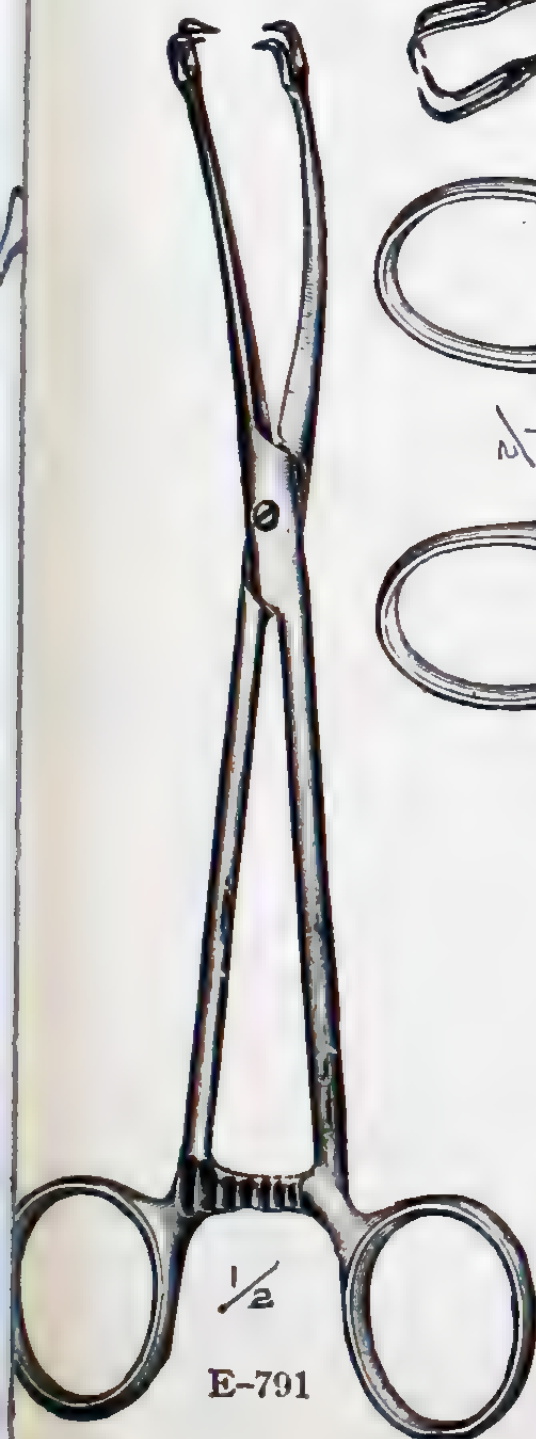
E-812



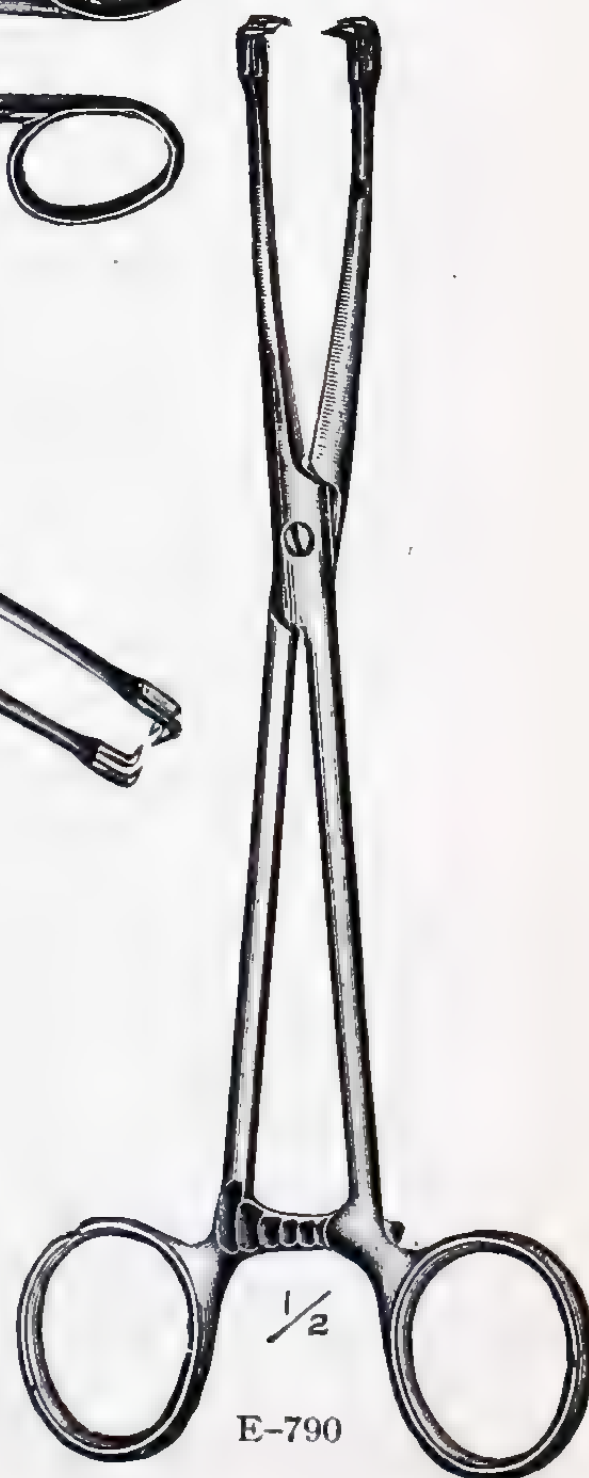
E-792

Uterine Vulsellum Forceps

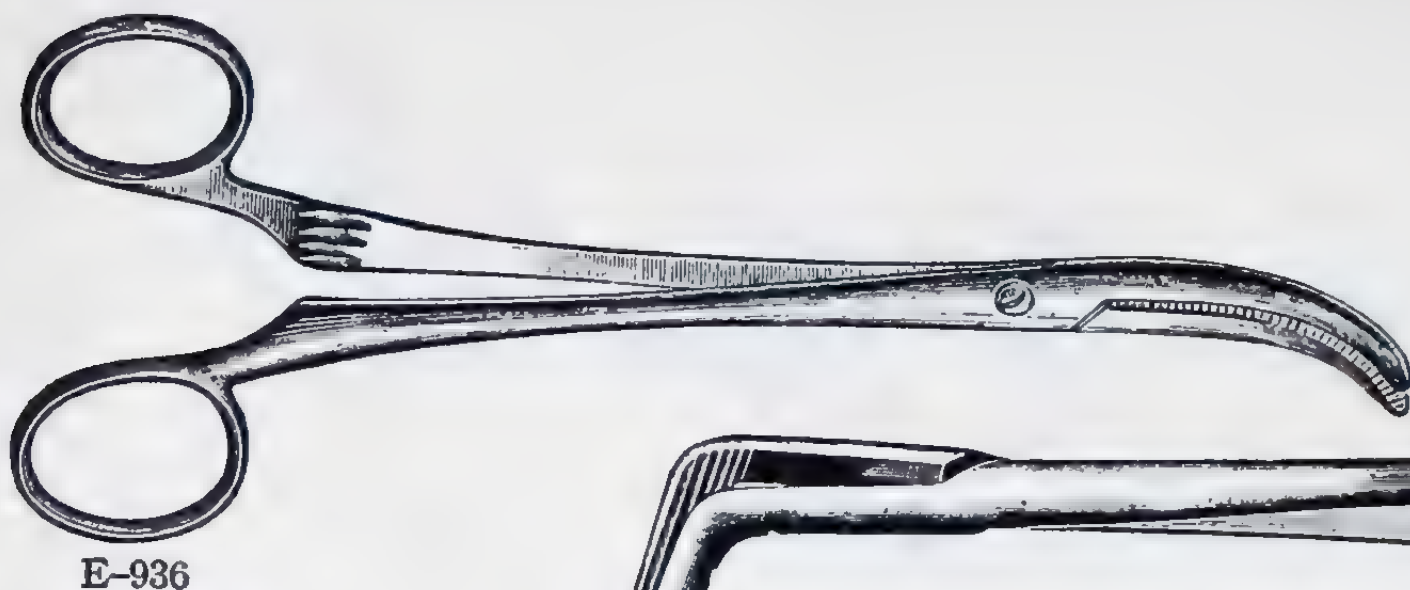
- *E-780 Donoghue's, small and large
- E-785 Doyen's, 9½ inches
- E-790 Haslam's, straight, 7 inches, 9 inches.
- E-791 Haslam's, curved on flat, 7 inches, 9 inches.
- E-792 Haslam's, curved on edge, 7 inches, 9 inches.
- *E-795 Henrotin's, 8¼ inches.
- E-800 Jacob's, 8¼ inches.
- E-805 Massachusetts General Hospital, small and large.
- E-810 Schroeder's, straight.
- E-811 Schroeder's, curved on flat.
- *E-812 Schroeder's, curved on edge.
- E-815 Skene's (see page 324).



E-791



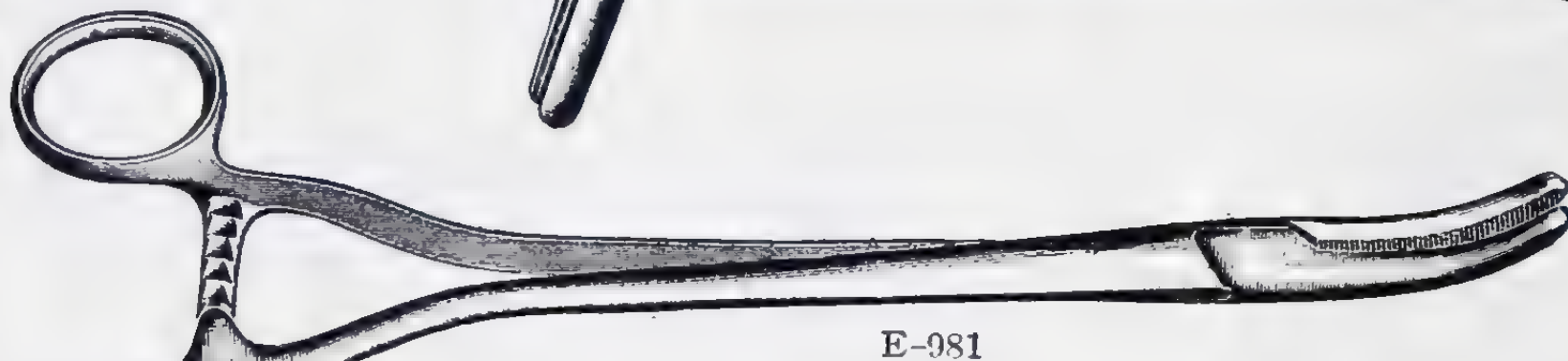
E-790



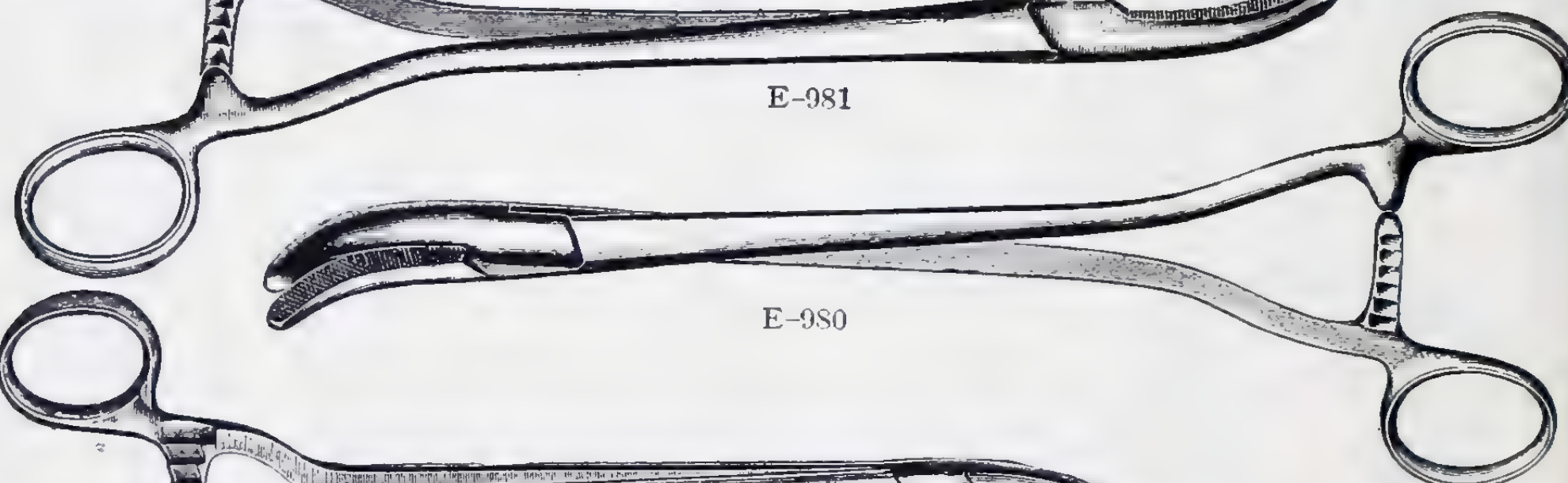
E-936



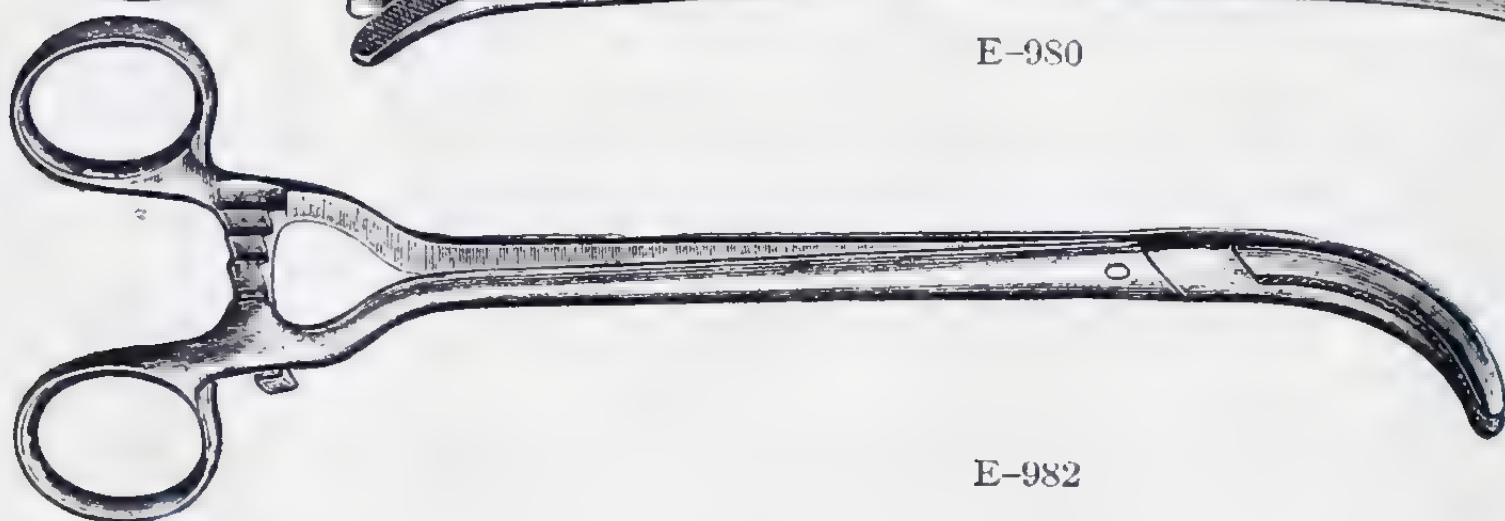
E-983



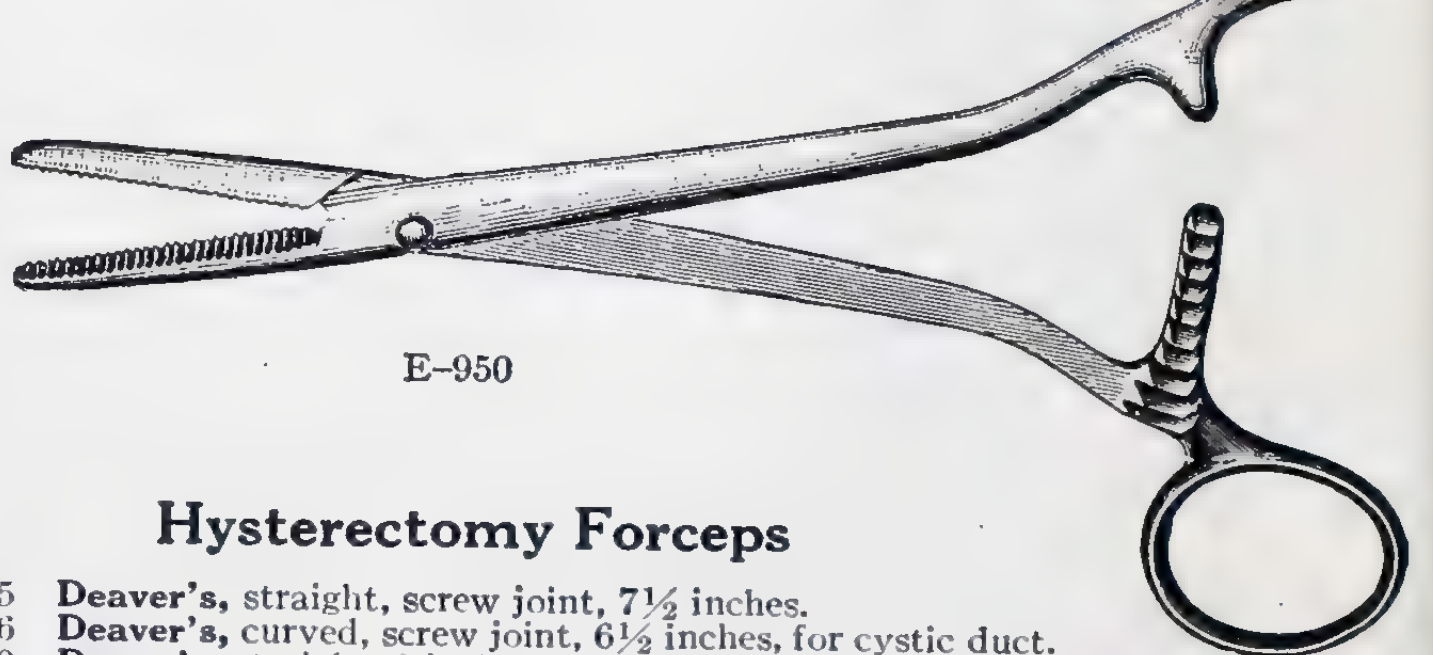
E-981



E-980



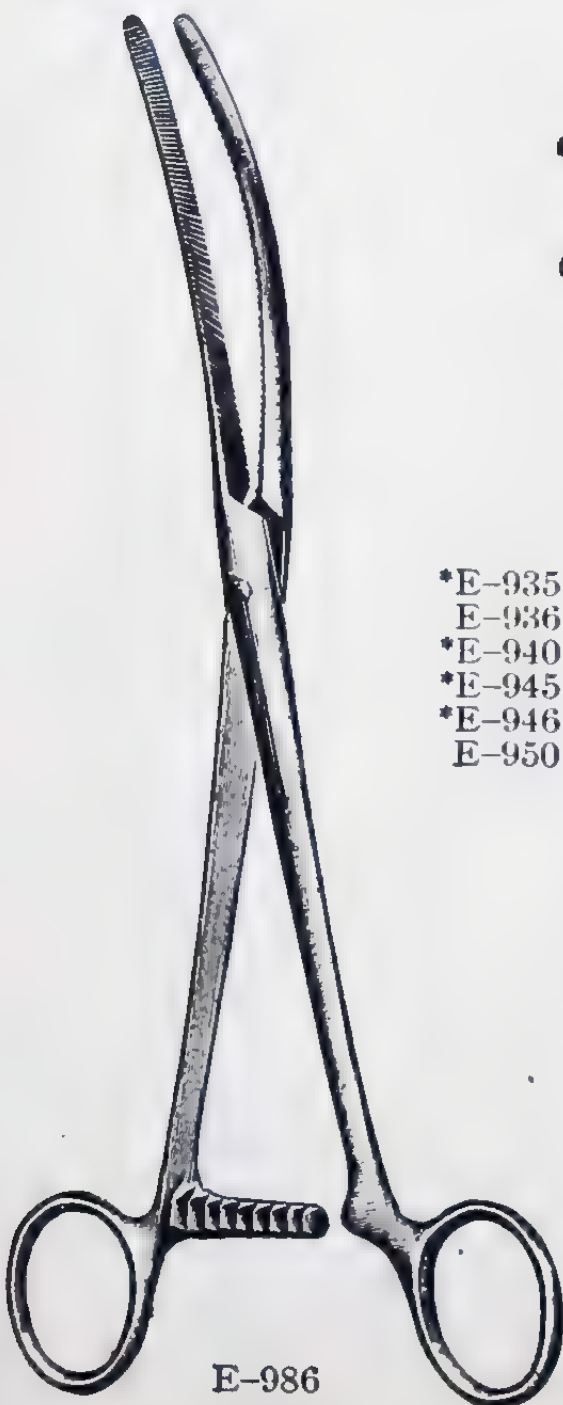
E-982



E-950

Hysterectomy Forceps

- *E-935 Deaver's, straight, screw joint, $7\frac{1}{2}$ inches.
- E-936 Deaver's, curved, screw joint, $6\frac{1}{2}$ inches, for cystic duct.
- *E-940 Doyen's, straight, 8 inches, 11 inches.
- *E-945 Ethridge's, straight, $8\frac{1}{4}$ inches.
- *E-946 Ethridge's, curved, $8\frac{1}{4}$ inches.
- E-950 Jacob's, straight, short jaw, cross serrations, $7\frac{1}{4}$ inches, 8 inches, $9\frac{1}{4}$ inches.
- *E-955 Leonard's, curved on flat, light flexible blades.
- *E-960 Luer's, straight, fenestrated jaw, 8 inches.
- *E-961 Luer's, curved, fenestrated jaw, 8 inches.
- *E-965 Polk's, straight, elastic blades.
- *E-970 Pryor's, set of 6 forceps, with 1 pair of detachable handles.
- *E-975 Spencer-Wells', pedicle, straight and curved.
- *E-976 Spencer-Wells', pedicle, 45 degree and 90 degree angle.
- *E-977 Spencer-Wells', pedicle, T shape.
- E-980 Wertheim's, pedicle clamp.
- E-981 Wertheim's, parametrium clamp.
- E-982 Wertheim's, vaginal clamp.
- E-983 Wertheim-Cullen's, angular jaw, pedicle.
- *E-985 Wright's, straight, elastic blades.
- E-986 Wright's, curved, elastic blades.



E-986



E-1045



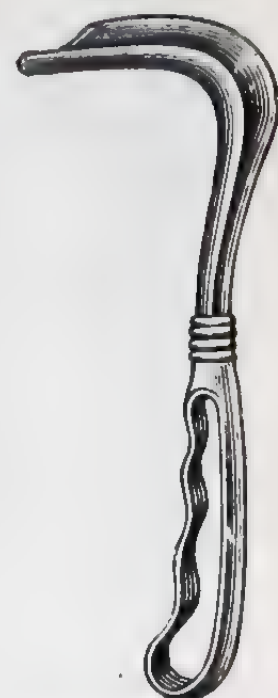
E-1040



E-1075



E-1055



E-1065



E-1046



E-1041



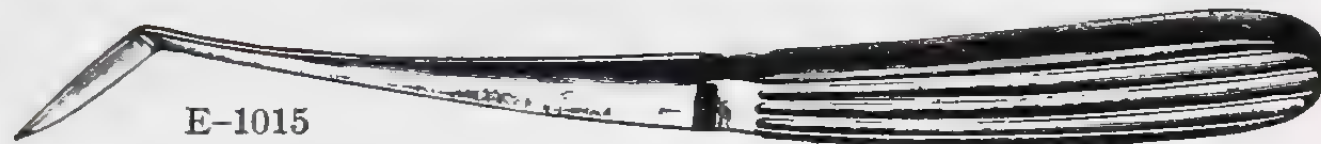
E-1036



E-1035



E-1061



E-1015

Uterine Knives

- E-1000 Barrett's, trachelorrhaphy.
- *E-1005 Buttle's, scarifier.
- *E-1010 Cole's, hysterectomy knife and spud.
- E-1015 Kelly's, vesico vaginal fistula.
- *E-1016 Kelly's, for depleting the cervix.
- E-1020 Newman's, trachelorrhaphy.
- *E-1025 Pryor's, for splitting the uterus.

Perineal Retractors

- E-1030 Doyen-Gelpi's (see also page 97).

Vaginal Retractors

- E-1035 Doyen's, 6 sizes, $2\frac{3}{8} \times 2\frac{3}{8}$ inches, $2\frac{3}{8} \times 4$ inches, $2\frac{3}{8} \times 4\frac{3}{4}$ inches, $1\frac{3}{4} \times 2\frac{3}{8}$ inches, $1\frac{3}{4} \times 4$ inches, $1\frac{3}{4} \times 4\frac{3}{4}$ inches.
- E-1036 Doyen-Kelly's, 6 sizes, same dimensions as E-1035.
- E-1040 Eastman's, 6 sizes, $1\frac{3}{8} \times 2\frac{1}{2}$ inches, $1\frac{3}{8} \times 3$ inches, $1\frac{3}{8} \times 3\frac{1}{2}$ inches, $1\frac{1}{2} \times 2\frac{1}{2}$ inches, $1\frac{1}{2} \times 3$ inches, $1\frac{1}{2} \times 3\frac{1}{2}$ inches.
- E-1041 Eastman's, heavy, same dimensions as E-1040.
- E-1045 Jackson's, 6 sizes, $1\frac{3}{8} \times 3$ inches, $1\frac{3}{8} \times 3\frac{1}{2}$ inches, $1\frac{3}{8} \times 4$ inches, $1\frac{1}{2} \times 3$ inches, $1\frac{1}{2} \times 3\frac{1}{2}$ inches, $1\frac{1}{2} \times 4$ inches.
- E-1046 Jackson's, heavy, 6 sizes, same dimensions as E-1045.
- *E-1050 Kelly's, anterior vaginal.
- E-1055 Kelly-Sims', 3 sizes.
- *E-1060 Martin's, single.
- E-1061 Martin's, double.
- E-1065 Pilling's, 6 sizes, $2 \times 1\frac{1}{8}$ inches, $2 \times 1\frac{3}{4}$ inches, $3 \times 1\frac{1}{4}$ inches, $3 \times 1\frac{1}{2}$ inches, $3 \times 1\frac{7}{8}$ inches, $3\frac{1}{2} \times 1\frac{1}{8}$ inches.
- *E-1070 Pryor's, grooved.
- *E-1071 Pryor-Pean's.
- *E-1072 Pryor's, trowel pattern.
- E-1075 Sims', 3 sizes.

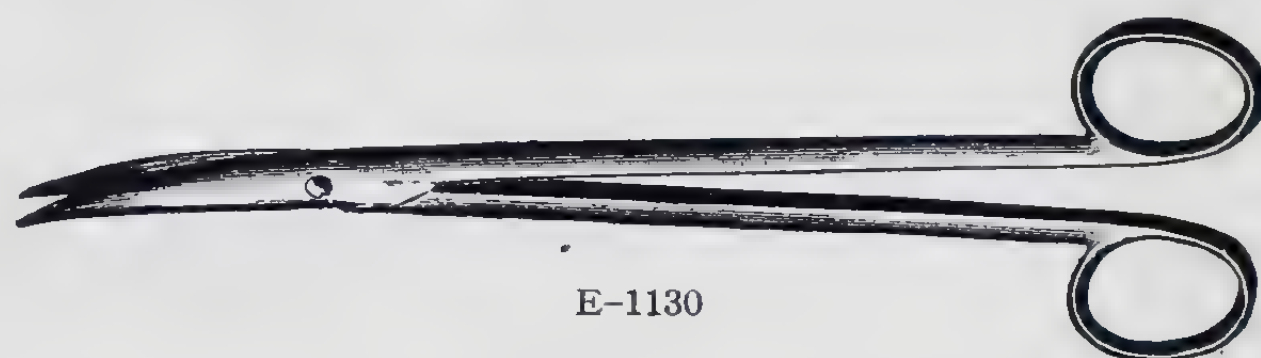


E-1000

E-1020



E-1030



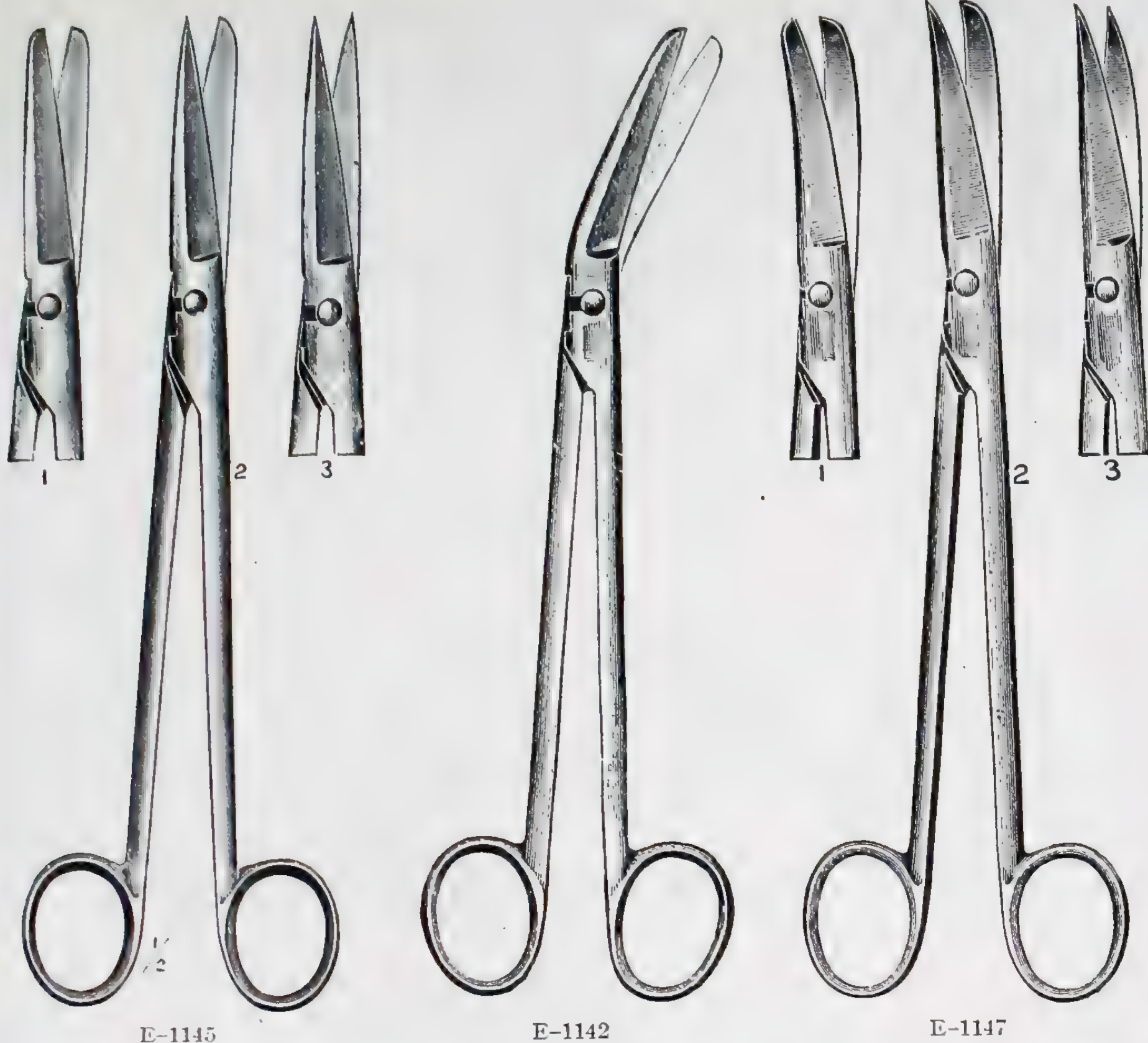
E-1122

Uterine Scissors

- *E-1100 Angular, 2 points sharp, 8 inches.
- E-1105 **Bozeman's**, double, curved, 7 inches.
- E-1110 **Dawson's**, straight, tenaculum points.
- E-1111 **Dawson's**, curved on flat, tenaculum points.
- E-1115 **Dunsmore's**, original pattern, 7½ inches.
- E-1116 **Dunsmore's**, latest pattern, 7½ inches.
- *E-1120 **Emmet's**, angular bent.
- E-1121 **Emmet's**, lesser curved, right and left.
- E-1122 **Emmet's**, full curved, right and left.
- E-1125 **Hank's**, trachelorrhaphy, right and left.
- E-1130 **Jenks'**, curved on flat, perineal.



E-1125

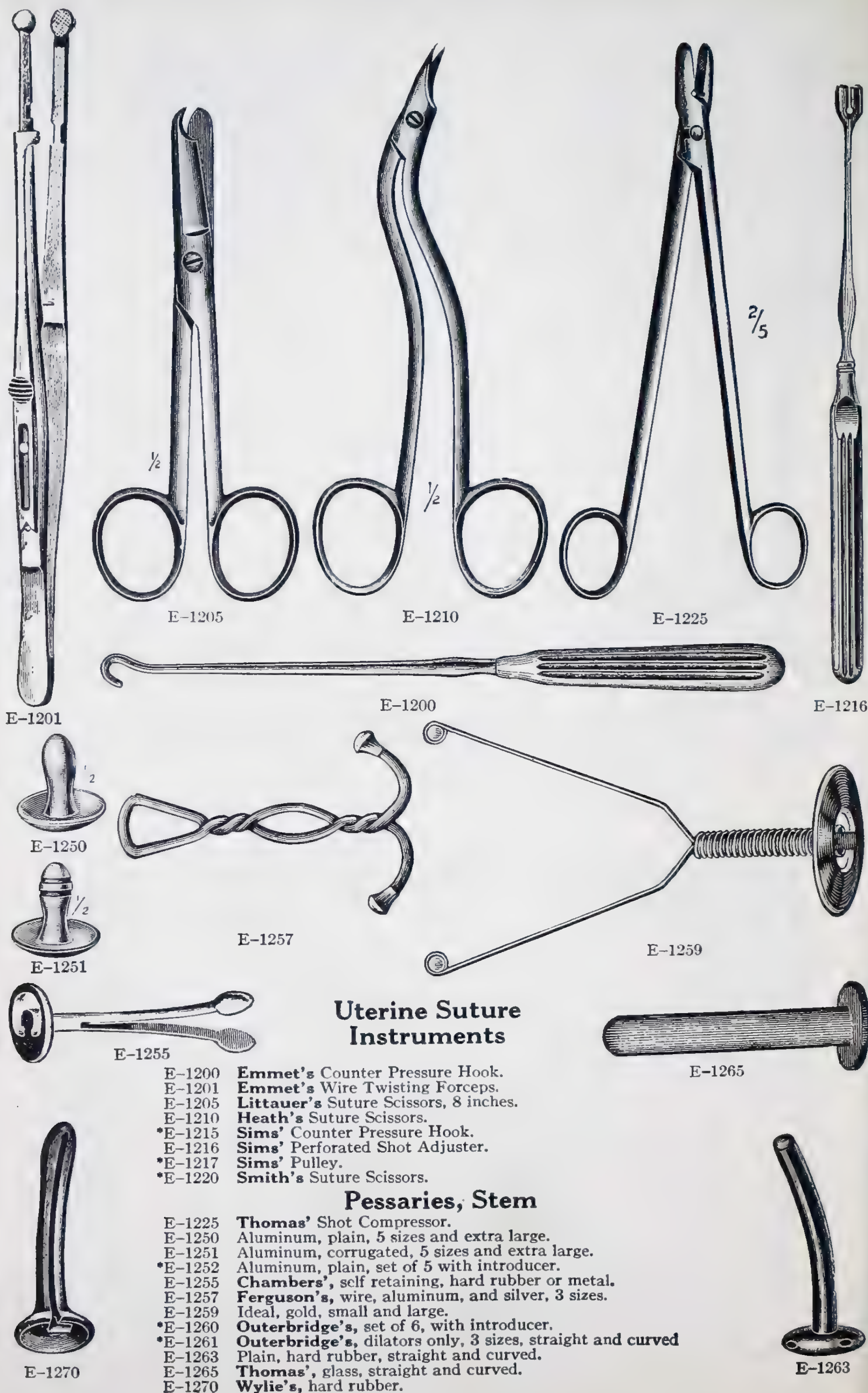


Uterine Scissors (Continued)

- E-1135 Kelly's, straight, vesico vaginal fistula, 6¼ inches.
- E-1136 Kelly's, curved on flat, vesico vaginal fistula, 6¼ inches.
- *E-1140 Sims', bent on flat, probe pointed.
- *E-1141 Sims', bent on flat, blunt pointed, 7¼ inches.
- E-1142 Sims', bent on edge, blunt pointed, 8 inches.
- *E-1143 Sims', curved on flat, serrated edges, 8 inches.
- *E-1144 Sims', straight, serrated edges, 8 inches.
- E-1145 Sims', straight, 8 inches.
- *E-1146 Sims', straight, one probe point, 8 inches.
- E-1147 Sims', curved on flat, 8 inches.
- *E-1148 Sims', straight, heavy, 8 inches.
- *E-1149 Sims', curved on flat, heavy, 8 inches.
- *E-1155 Skene's, hawk bill, improved pattern.
- E-1160 Wood's, blade angled on flat, curved handles, 7 inches.

Note—In ordering uterine scissors please be careful to specify the points wanted, No. 1, No. 2, or No. 3.





Uterine Suture Instruments

- E-1200 Emmet's Counter Pressure Hook.
- E-1201 Emmet's Wire Twisting Forceps.
- E-1205 Littauer's Suture Scissors, 8 inches.
- E-1210 Heath's Suture Scissors.
- *E-1215 Sims' Counter Pressure Hook.
- E-1216 Sims' Perforated Shot Adjuster.
- *E-1217 Sims' Pulley.
- *E-1220 Smith's Suture Scissors.

Pessaries, Stem

- E-1225 Thomas' Shot Compressor.
- E-1250 Aluminum, plain, 5 sizes and extra large.
- E-1251 Aluminum, corrugated, 5 sizes and extra large.
- *E-1252 Aluminum, plain, set of 5 with introducer.
- E-1255 Chambers', self retaining, hard rubber or metal.
- E-1257 Ferguson's, wire, aluminum, and silver, 3 sizes.
- E-1259 Ideal, gold, small and large.
- *E-1260 Outerbridge's, set of 6, with introducer.
- *E-1261 Outerbridge's, dilators only, 3 sizes, straight and curved.
- E-1263 Plain, hard rubber, straight and curved.
- E-1265 Thomas', glass, straight and curved.
- E-1270 Wylie's, hard rubber.

Introducers for Stem Pessaries (see next page)



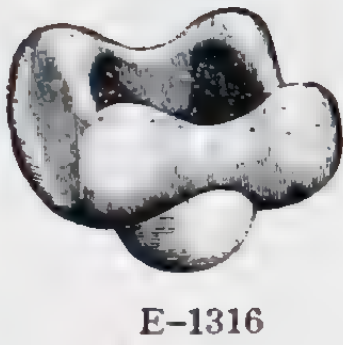
E-1310



E-1305



E-1315



E-1316



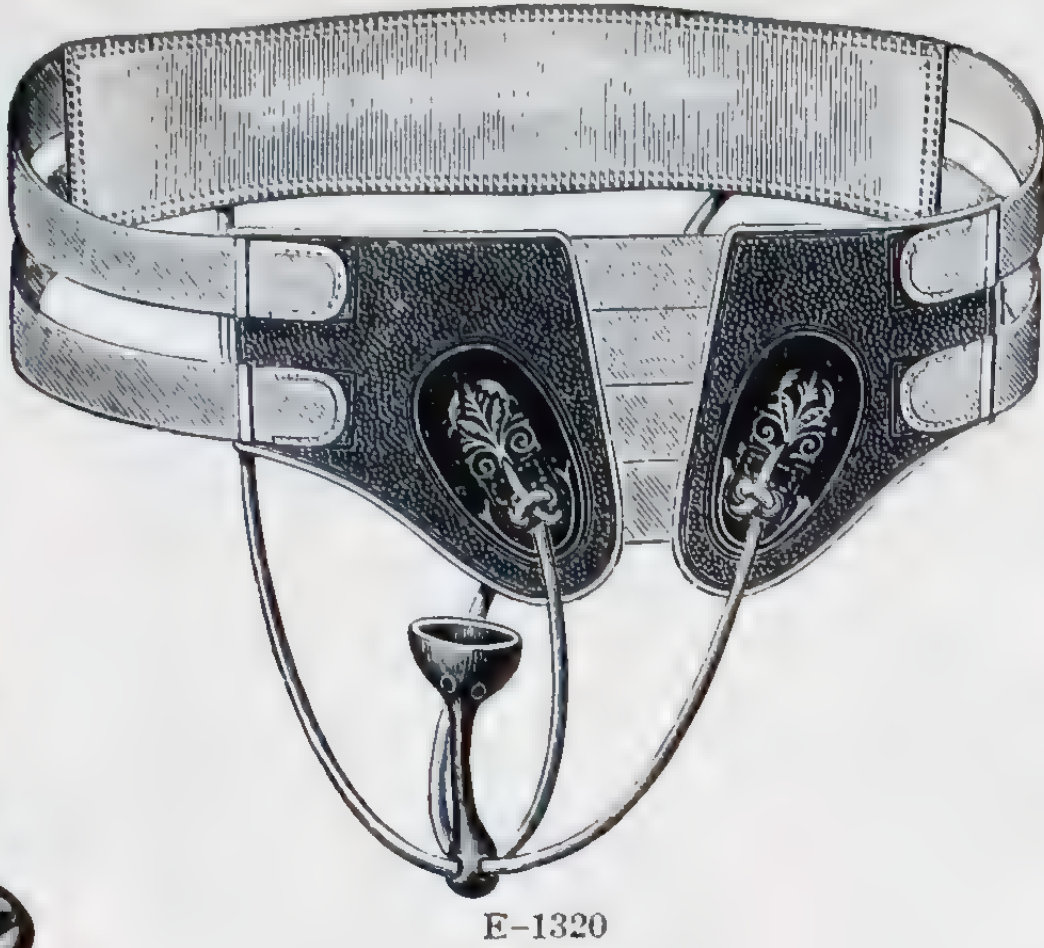
E-1325



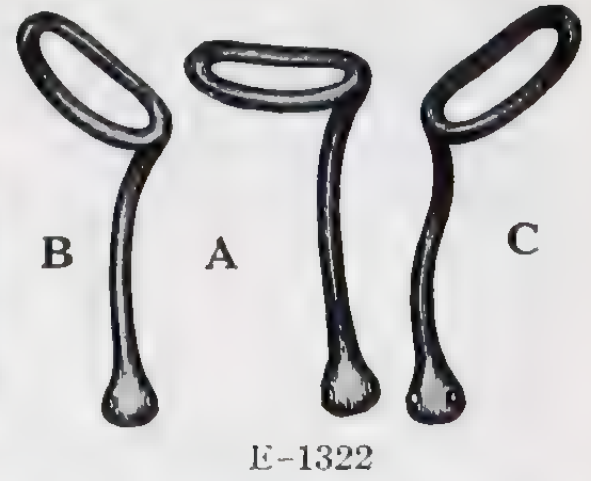
E-1330



E-1335



E-1320



E-1322



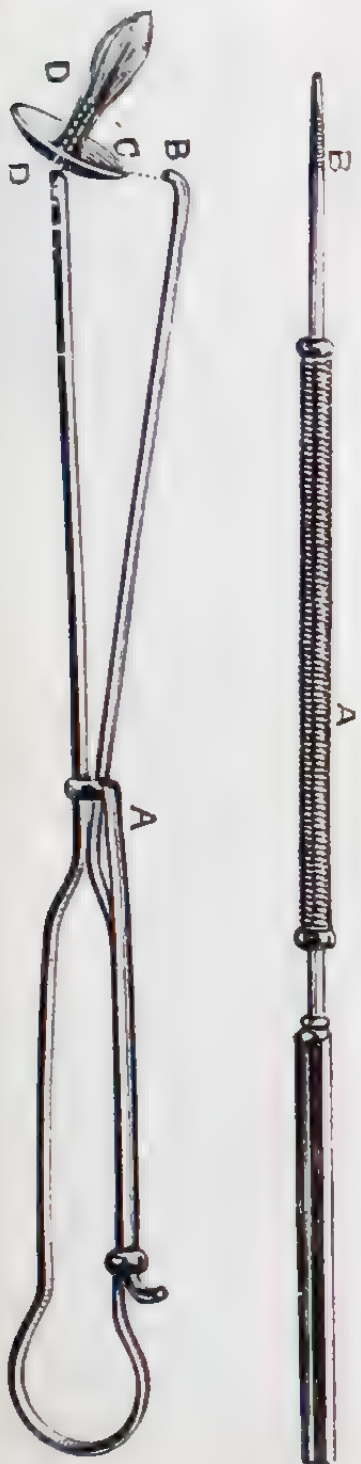
E-1321

Introducers for Stem Pessaries

- E-1280 Introducer, with slide, for aluminum stem pessaries.
- E-1281 Introducer, **Pulaski**, now made with metal slide to make it self-holding.
- E-1282 Introducer, **Robertson's**.
- E-1283 Introducer, for **Chamber's** stem pessary.

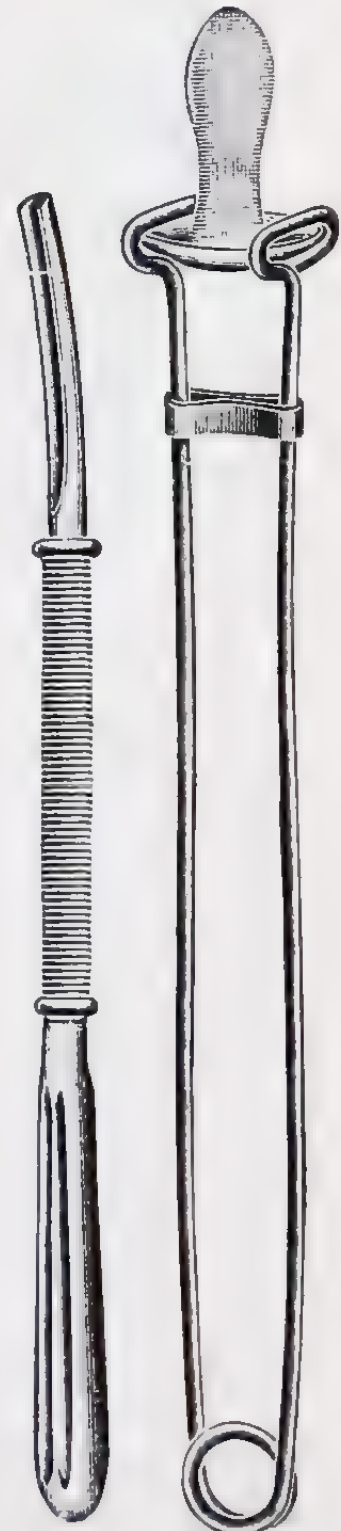
Pessaries

- *E-1290 Bow, 7 sizes, retroversion.
- *E-1295 **Clayton's**, celluloid, flesh color, 60 to 100 mm. in diameter, 5 sizes.
- *E-1300 **Cutter-Thomas's**, with belt, for prolapsus.
- *E-1301 **Cutter-Thomas's**, with belt, for anteversion.
- *E-1302 **Cutter-Thomas's**, with belt, for retroversion.
- E-1305 **Fowler's**, retroversion, plain.
- *E-1306 **Fowler's**, retroversion, with bow.
- E-1310 **Hodge's**, 6 sizes.
- E-1315 **Hoffman's**, soft rubber, 5 sizes.
- E-1316 **Hoffman's**, soft rubber, with sac, 1 size only.
- E-1320 **McIntosh's**, with belt, for prolapsus.
- E-1321 **McIntosh** cups, hard rubber, D prolapsus, E anteversion: F retroversion.
- E-1322 **McIntosh** rings, hard rubber, A prolapsus, B anteversion, C retroversion.
- E-1325 **Menges**, with detachable stem, 50, 55, 60, 65, 70, 75, 80, 85 and 90 mm.
- E-1330 Pear shape, soft rubber, for prolapsus.
- E-1335 Ring, soft rubber, inflated, 4 sizes.



E-1282

E-1280

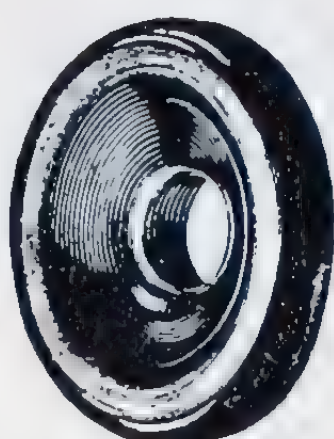


E-1283

E-1281



E-1339



E-1340



E-1337-1338



E-1353



E-1345



E-1341



E-1432



E-1359



E-1350



E-1351



E-1357



E-1358



E-1355

Pessaries

- E-1337. Ring, soft rubber, with spiral spring.
- E-1338. Ring, soft rubber, with copper wire insertion.
- E-1339. Ring, thin, hard rubber, 9 sizes, 2 to 4 inches, in $\frac{1}{4}$ inches.
- E-1340. Ring, hard rubber, concave, 9 sizes, 60 to 90 mm., in 5 mm.
- E-1341. Ring, **Meyer's**, solid Para rubber, 55 to 75 mm.; 80 mm.; 85 and 90 mm.; 95 mm. 100 mm.
- E-1342. Ring, **Meyer's**, hollow Para rubber, 55 to 75 mm.; 80 mm.; 85 and 90 mm. 95 mm. 100 mm.
- E-1345. **Skene's** Cystocele, hard rubber, 2 sizes.
- E-1350. **Smith's**, hard rubber, retroversion, 7 sizes.
- E-1351. **Smith's**, soft rubber, elastic.
- *E-1352. Spherical, glass, $1\frac{1}{2}$ to 4 inches diameter.
- E-1353. Spherical, hard rubber, 4 sizes.
- E-1355. **Thomas's**, hard rubber, anteversion.
- E-1357. **Thomas-Smith's**, hard rubber, retroflexion.
- E-1358. **Thomas-Smith's**, soft rubber, elastic, retroflexion.
- E-1359. **Zwank's**, hard rubber, with metal stems.



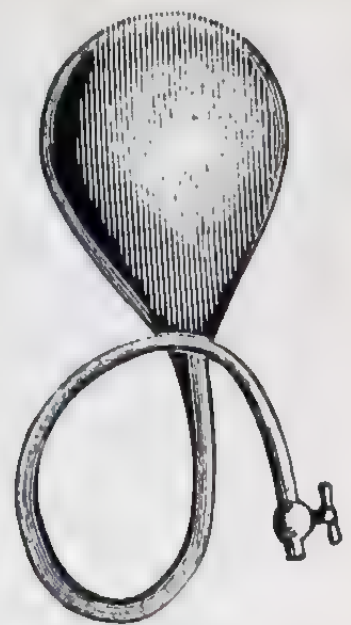
E-1410-1411



E-1412-1413



E-1400



E-1405



E-1445



E-1435

Obstetric Colpeurynters

- E-1400 Barnes', soft rubber, 3 sizes, in set.
Stop cock, extra.
- E-1405 Braun's, soft rubber, with stop cock.
- E-1410 Champetier de Ribes, large pattern, with
stop cock, 3 sizes.
- E-1411 Champetier de Ribes, small pattern, no
stop cock, 3 sizes.
- E-1412 Forceps, for introducing, large pattern.
- E-1413 Forceps, for introducing, small pattern.
- *E-1415 Voorhees', pear shaped, set of 6 sizes.

Obstetric Dilators

- *E-1420 Bossi's, Aesculapius modification.
- *E-1421 Bossi-Marelli's, 4 bladed.
- E-1425 Higgins', 5 blades.
- *E-1430 Leavitt's, double ended, short broad blades
for obstetric work, long slender blades for
gynecic work.
- E-1435 Mundus, heavy.

Obstetric Forceps Traction Hooks

- *E-1440 McClintock's, bar.
- E-1445 Reynold's, hooks.



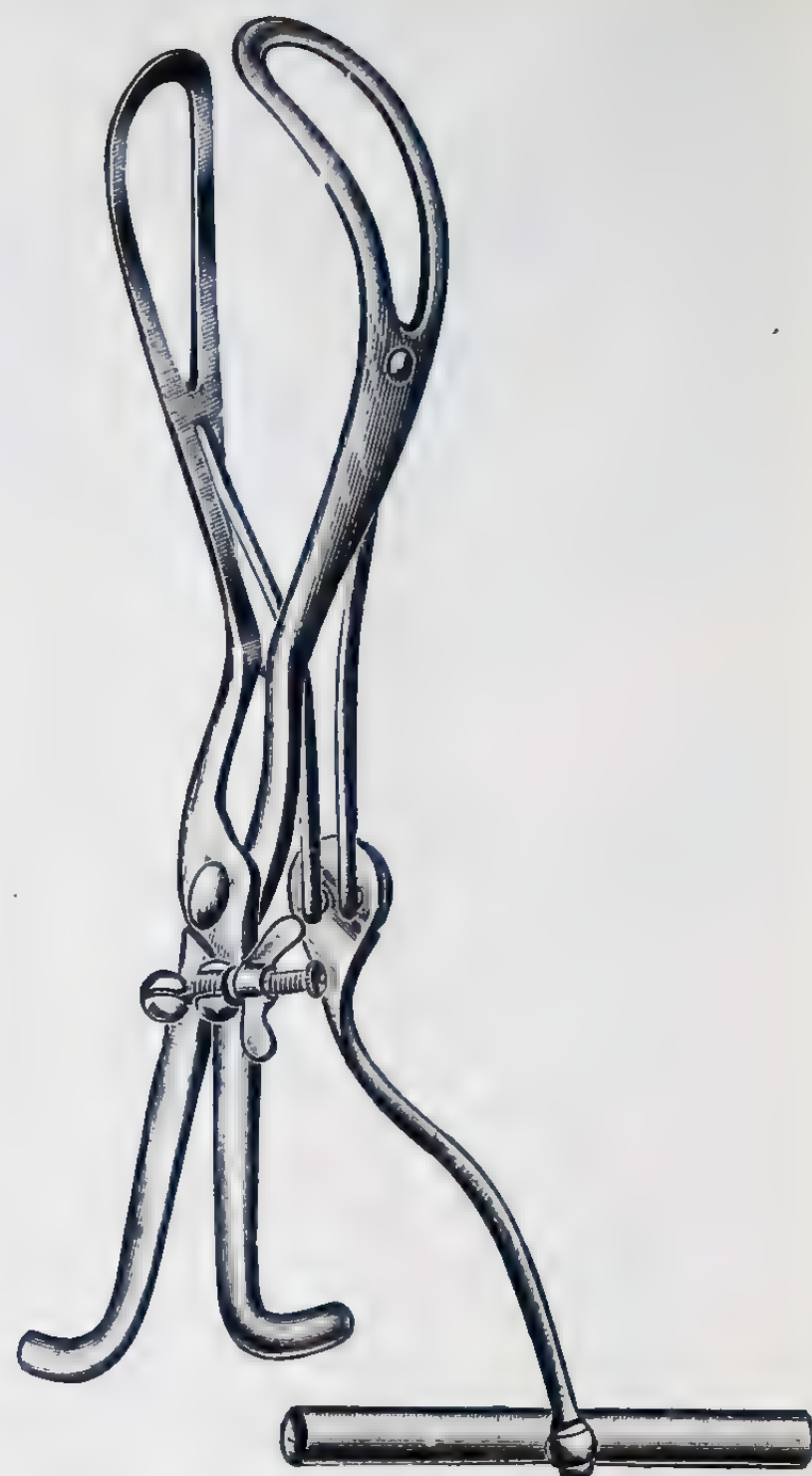
E-1425



E-1470



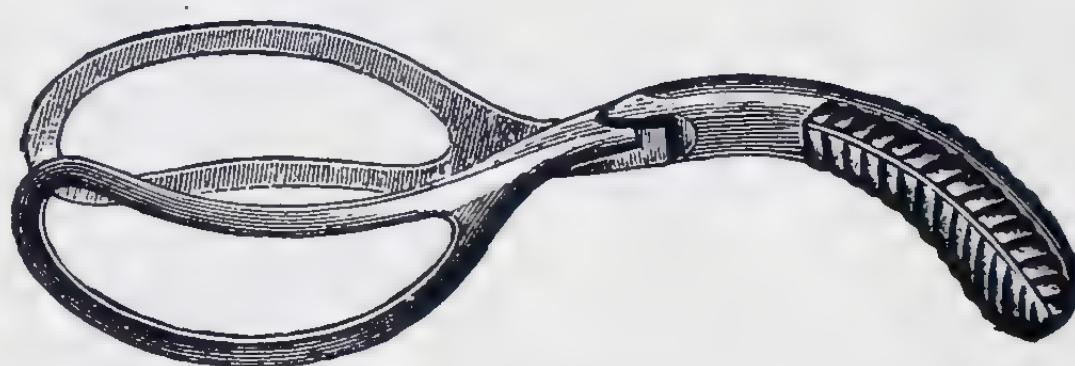
E-1482



E-1510



E-1485-1486



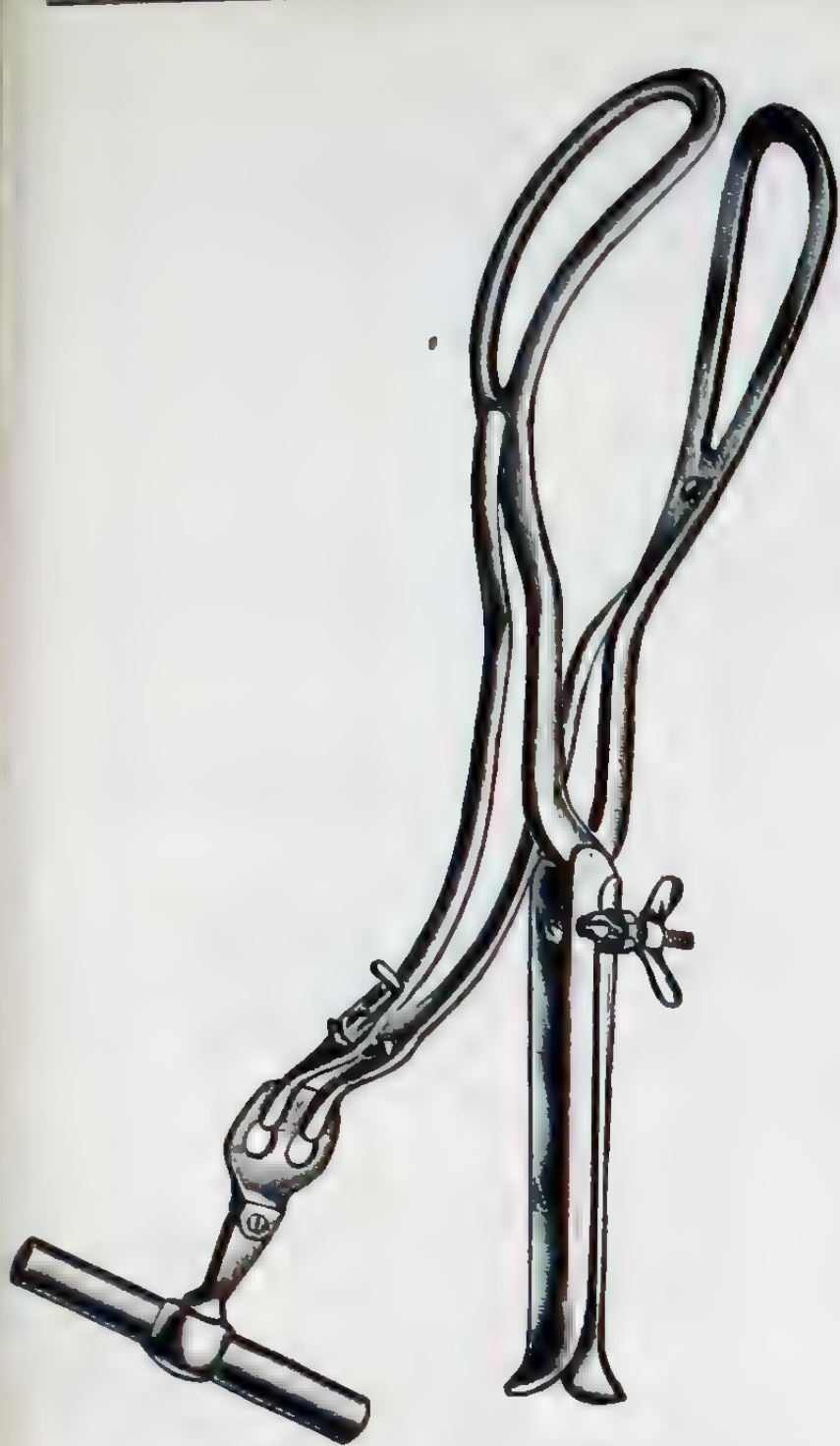
E-1496



E-1505

Obstetric Forceps

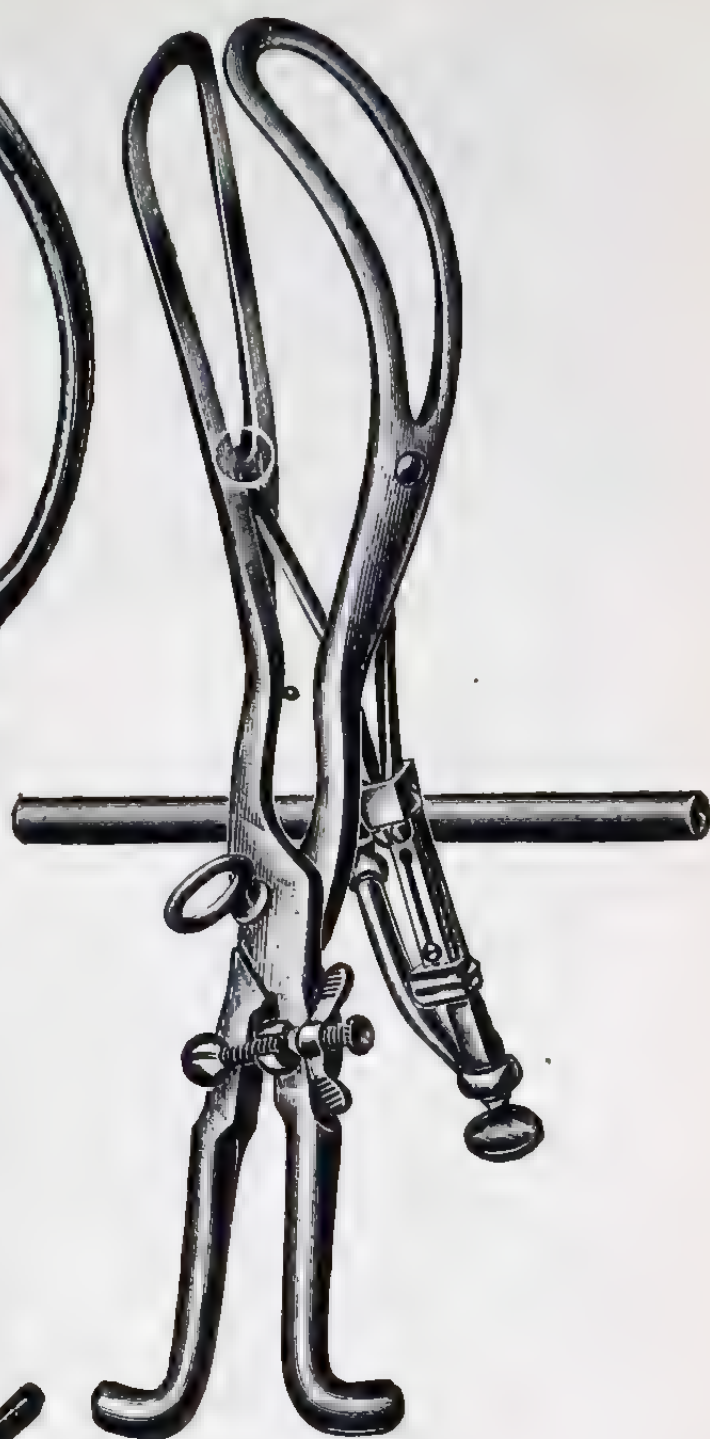
- E-1470 **Barnes-Simpson's**, long.
- *E-1475 **Boisliniere's** (St. Louis), long.
- *E-1480 **Braun's**, modified Simpson, long.
- E-1482 **Dewees'**, axis traction, genuine.
- E-1485 **Elliott's**, long.
- E-1486 **Elliott's**, short.
- *E-1490 **Felsenreich's**, axis traction, long.
- *E-1495 **Hale's**, long.
- E-1496 **Hale's**, short.
- *E-1500 **Higgins'**, axis traction, complete with rod, long.
- E-1505 **Hodges'**, long.
- E-1510 **Jewett's**, axis traction.



E-1530



E-1535



E-1545



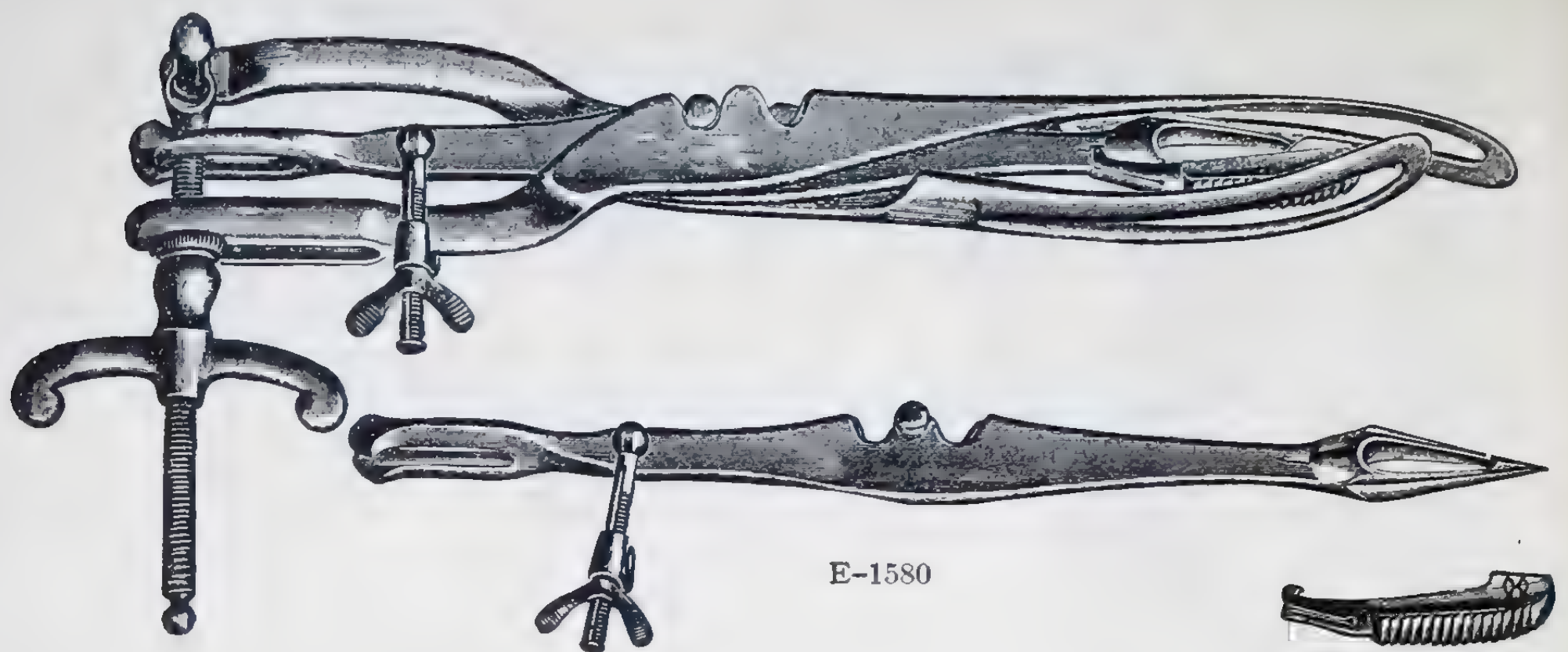
E-1540

Obstetric Forceps (continued)

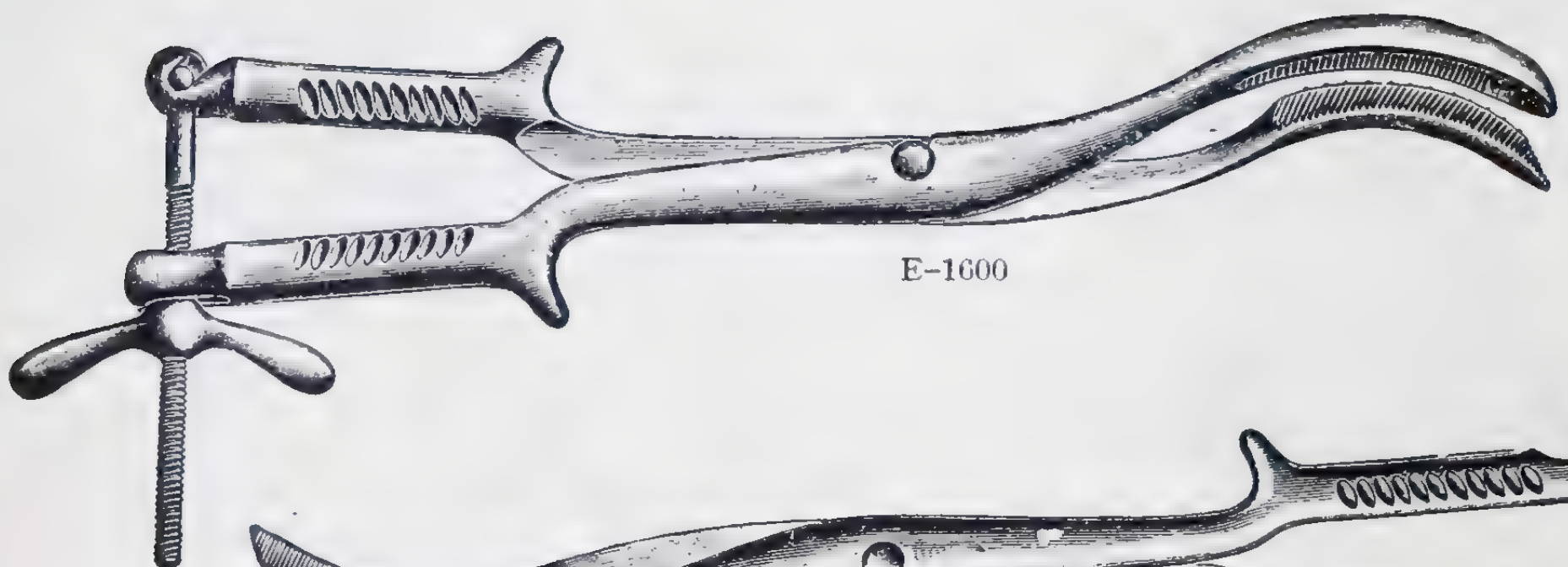
- *E-1515 Leavitt's, long.
- *E-1520 Lusk's, axis traction, long.
- *E-1525 McLean's, long, solid blade.
- E-1530 Milne-Murray's, axis traction.
- E-1535 Sawyer's, short.
- E-1540 Simpson's, long.
- E-1541 Simpson's, short.
- E-1545 Tarnier's, axis traction.
- *E-1550 Wallace's, long.
- *E-1555 Webster's, modification of Milne-Murray's, axis traction.
- *E-1560 Willis', axis traction.



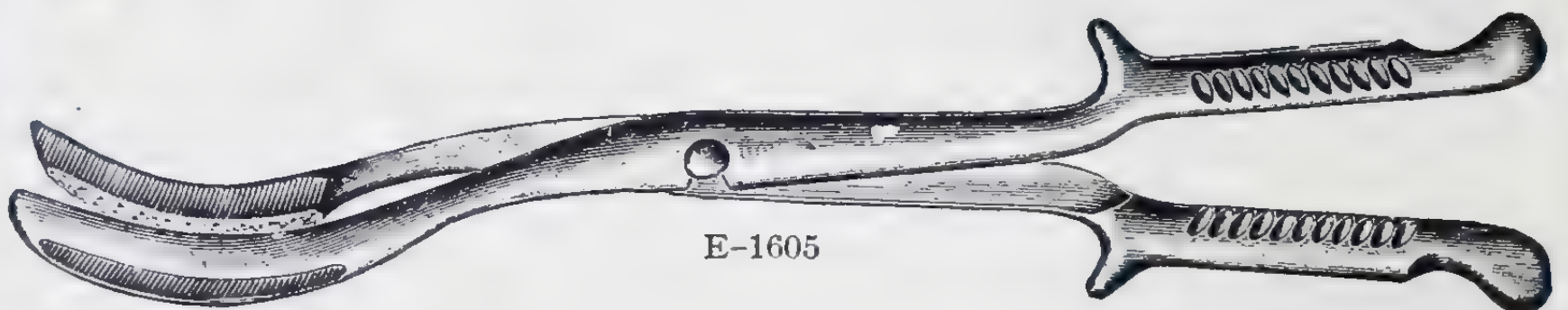
E-1541



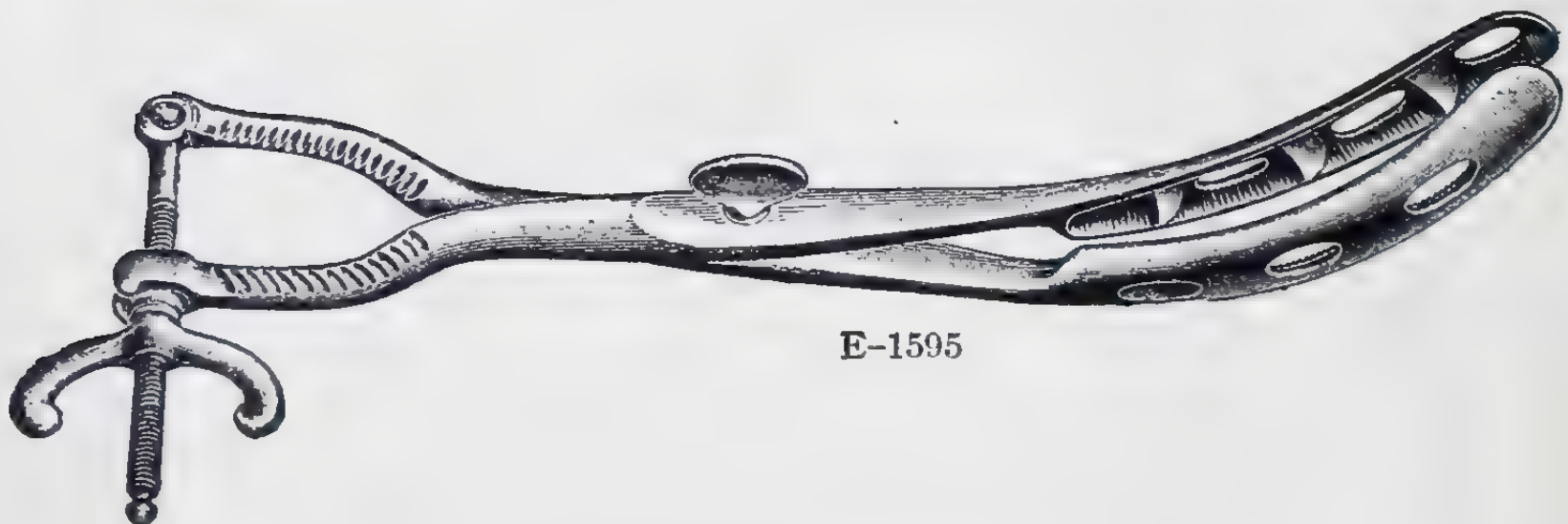
E-1580



E-1600



E-1605



E-1595

Obstetric Instruments

Basiotribes

E-1580 **Tarnier's**, with perforator, latest model.

Cephalotribes

*E-1585 **Braun's**.

*E-1590 **Lusk's**, aseptic.

E-1595 **Tarnier's**, latest.

Cranioclasts

E-1600 **Braun's**, aseptic.

E-1605 **Simpson's**, aseptic.



E-1625

E-1630

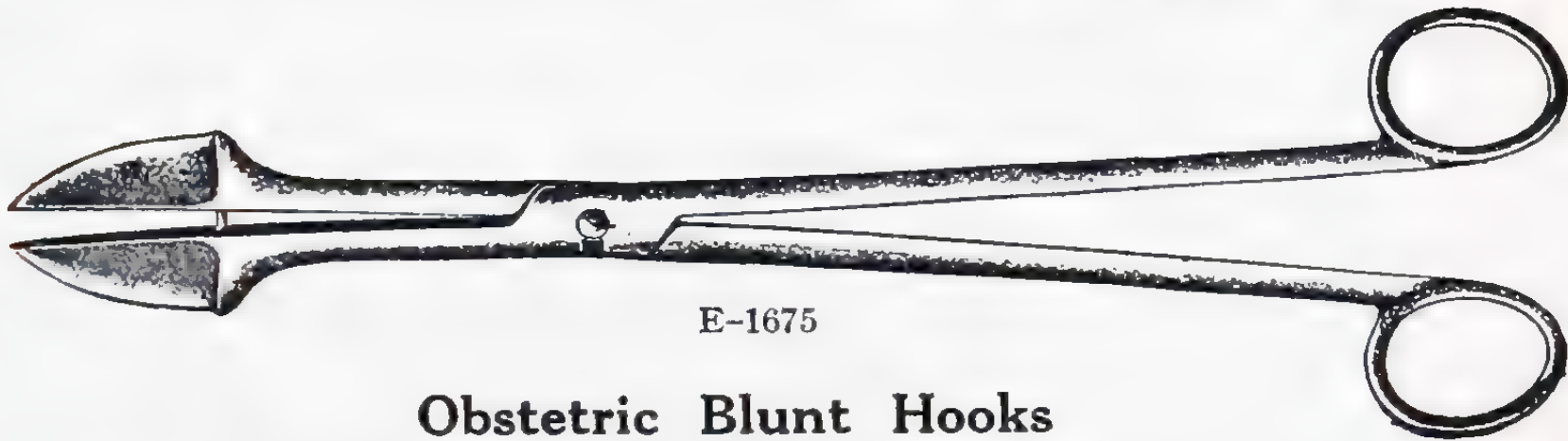
E-1640

E-1636

E-1690



E-1665



E-1675

Obstetric Blunt Hooks

E-1620 Braun's. E-1625 Plain, with crochet.

Obstetric Craniotomy Forceps

E-1630 Elliott's, curved. E-1636 Meig's, straight.
*E-1635 Meig's, curved. E-1640 Thomas'.

Obstetric Perforators

*E-1650 Bedford's. E-1665 Naegeli's.
*E-1655 Blot's. *E-1670 Simpson's, original model.
*E-1660 Braun's, trephine per- E-1675 Smellie's.
forator. *E-1680 Thomas'.

Obstetric Vectis

E-1690 Plain, with blunt hook. *E-1695 Plain, with handle.

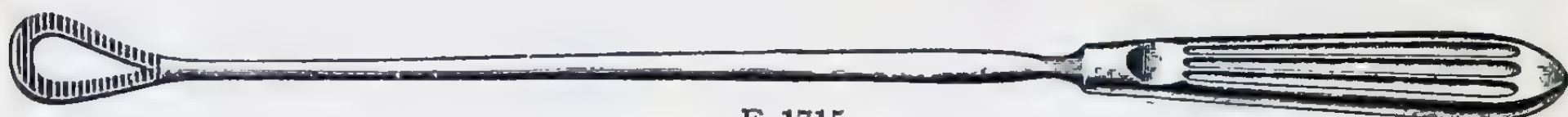


E-1620

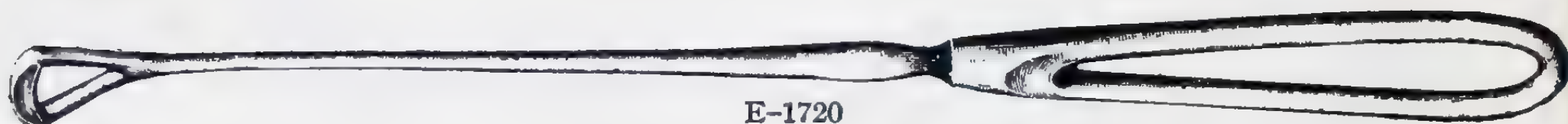
STANDARD SURGICAL INSTRUMENTS



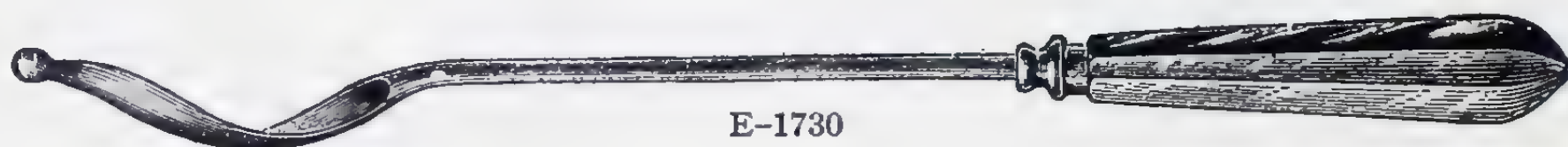
E-1710



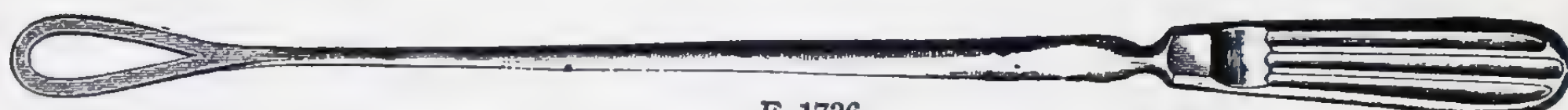
E-1715



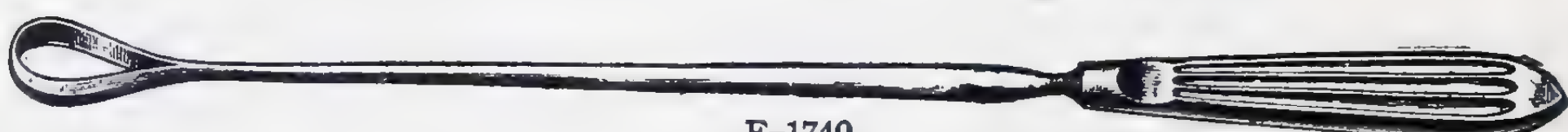
E-1720



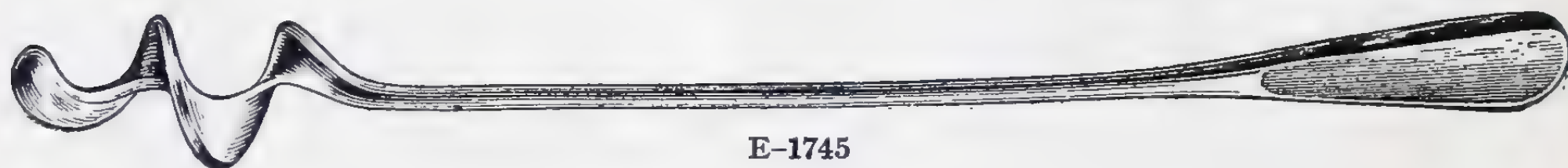
E-1730



E-1736



E-1740



E-1745

Obstetric Instruments

Placenta Curettes

- E-1700 Dewey's, with hook.
- *E-1705 Engelman's, serrated edge.
- E-1710 Goldstein's, irrigating.
- E-1715 Green's, serrated.
- E-1720 Hirst's, 2 sizes.
- E-1725 Leavitt's, hook shape.
- E-1730 McDade's, plain.
- *E-1731 McDade's, serrated edge.
- *E-1732 McDade's, serrated edge, irrigating.
- *E-1735 Munde's, original.
- E-1736 Munde's, improved, broad flat blade, 3 sizes.
- E-1740 Reynold's, 3 sizes.
- *E-1741 Reynold's, rinsing, 3 sizes.
- E-1745 Spiral, 2 sizes.
- *E-1750 Winter's, abortion.

Embryotomy Knives

- *E-1755 Braun's.
- *E-1760 Schultze's.



E-1700



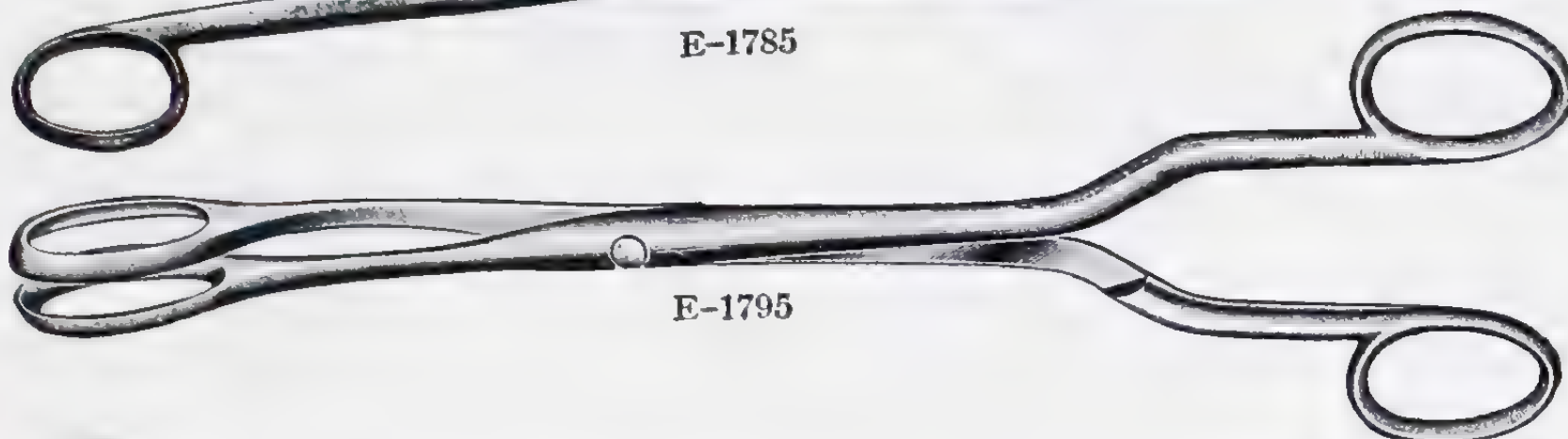
E-1725



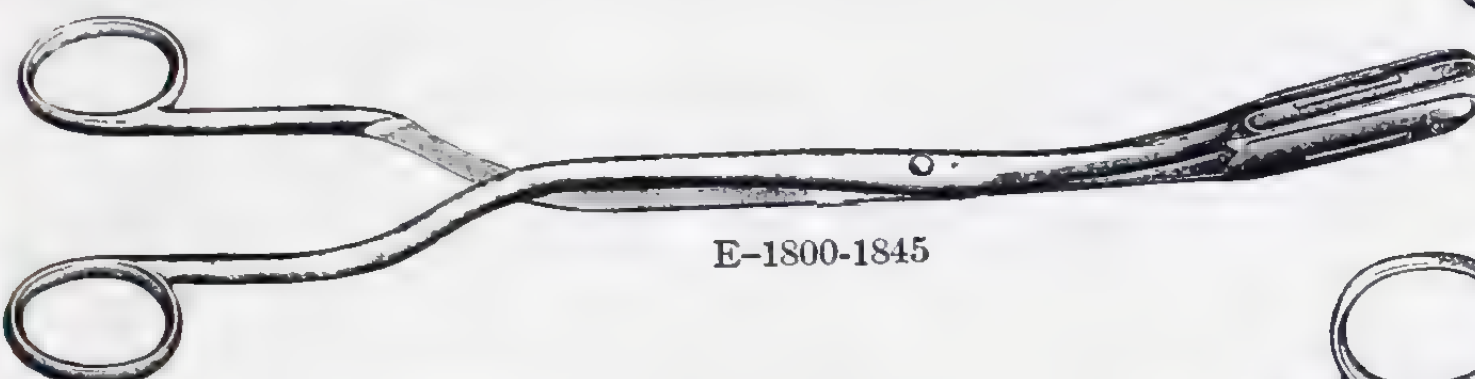
E-1780



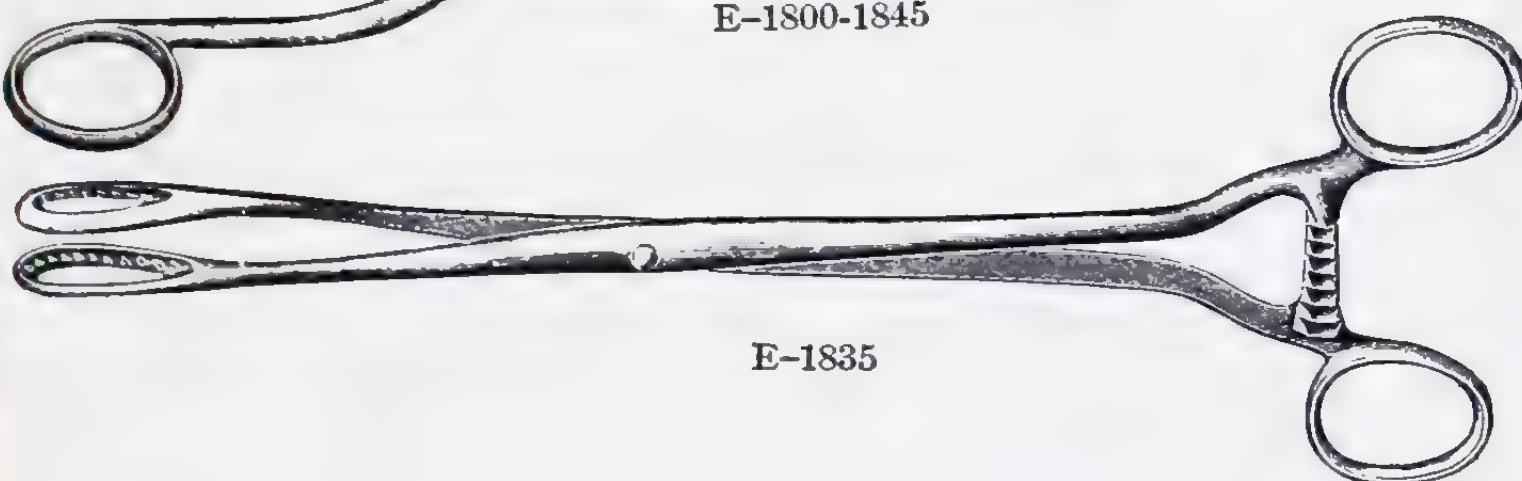
E-1785



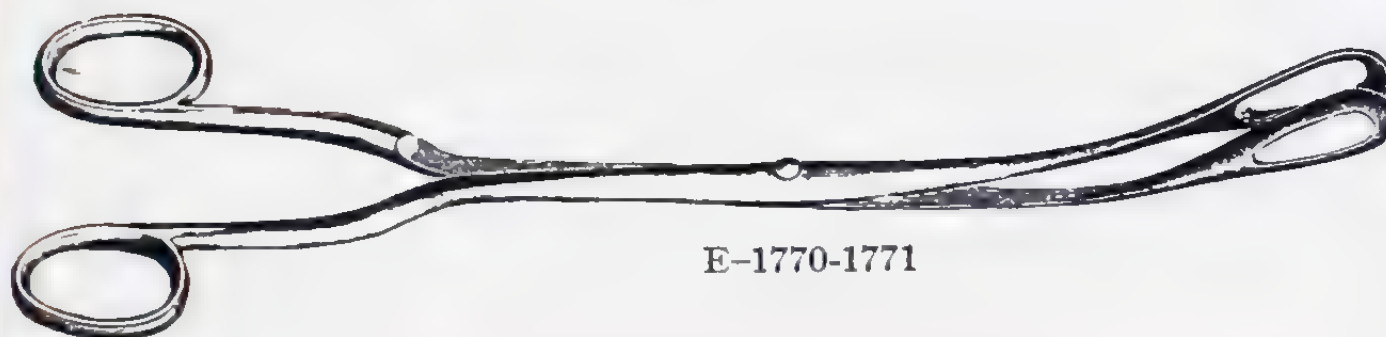
E-1795



E-1800-1845



E-1835



E-1770-1771

Obstetric Instruments

Placenta Forceps

- E-1770 Barrett's, small.
- E-1771 Barrett's, large.
- *E-1775 Boldt's.
- E-1780 Bond's.
- E-1785 Budd's.
- *E-1790 Chamberlain's.
- E-1795 Corey's.
- E-1800 Emmet's, curette.
- *E-1805 Grosvenor's.
- E-1810 Haslam's, combined with hook and curette.
- E-1815 Kelly's.
- *E-1820 Leonard's, combined with curette.
- *E-1825 Loomis'.
- *E-1830 Munde's.
- E-1835 Saenger's.
- *E-1840 Schnetter's.
- E-1845 Tiemann's, embryotomy.
- *E-1850 Ward's.



E-1815



E-1810



E-1885



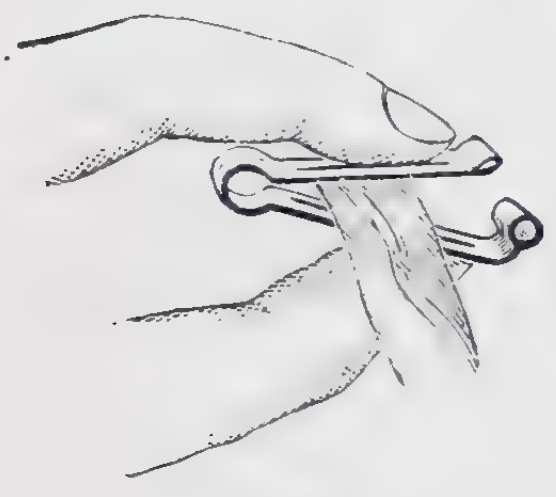
E-1925



E-1950-1951



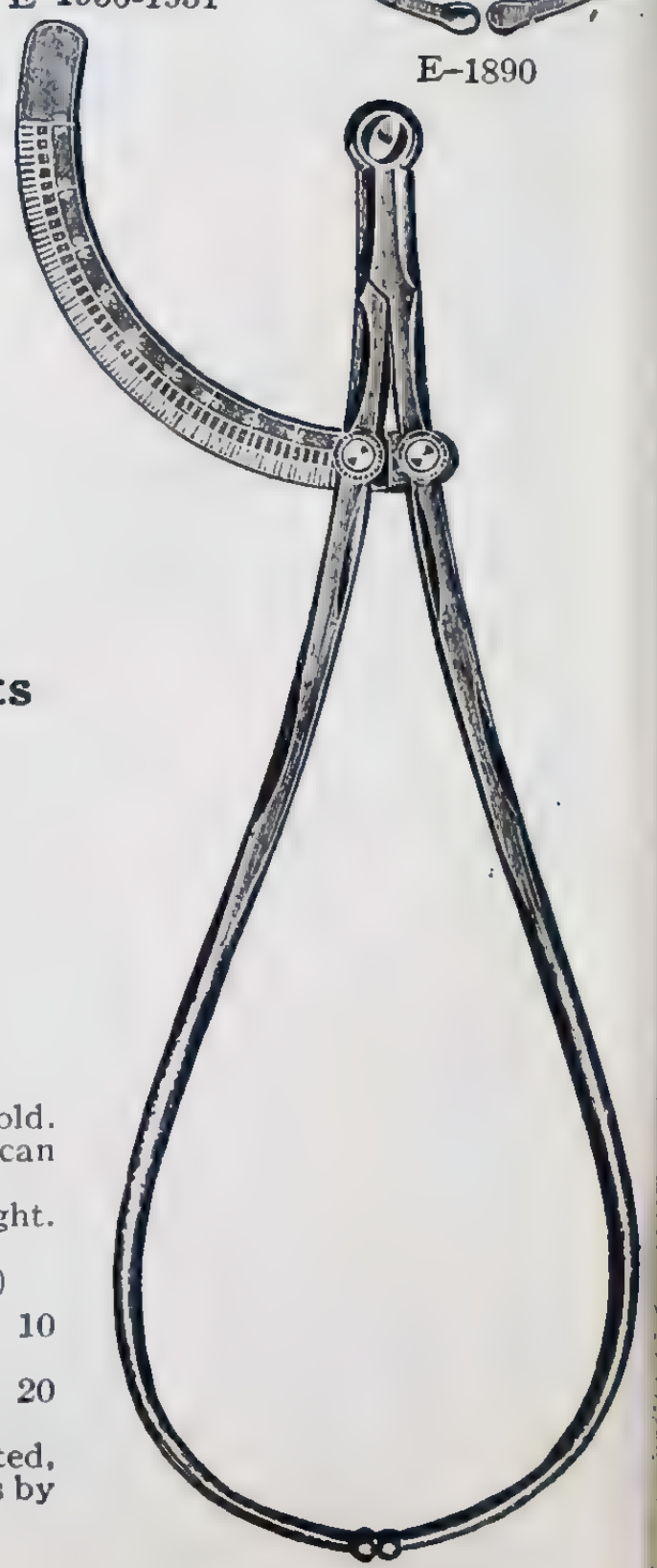
E-1890



E-1920



E-1955



E-1900



E-1895-1896

Obstetric Instruments

Pelvimeters

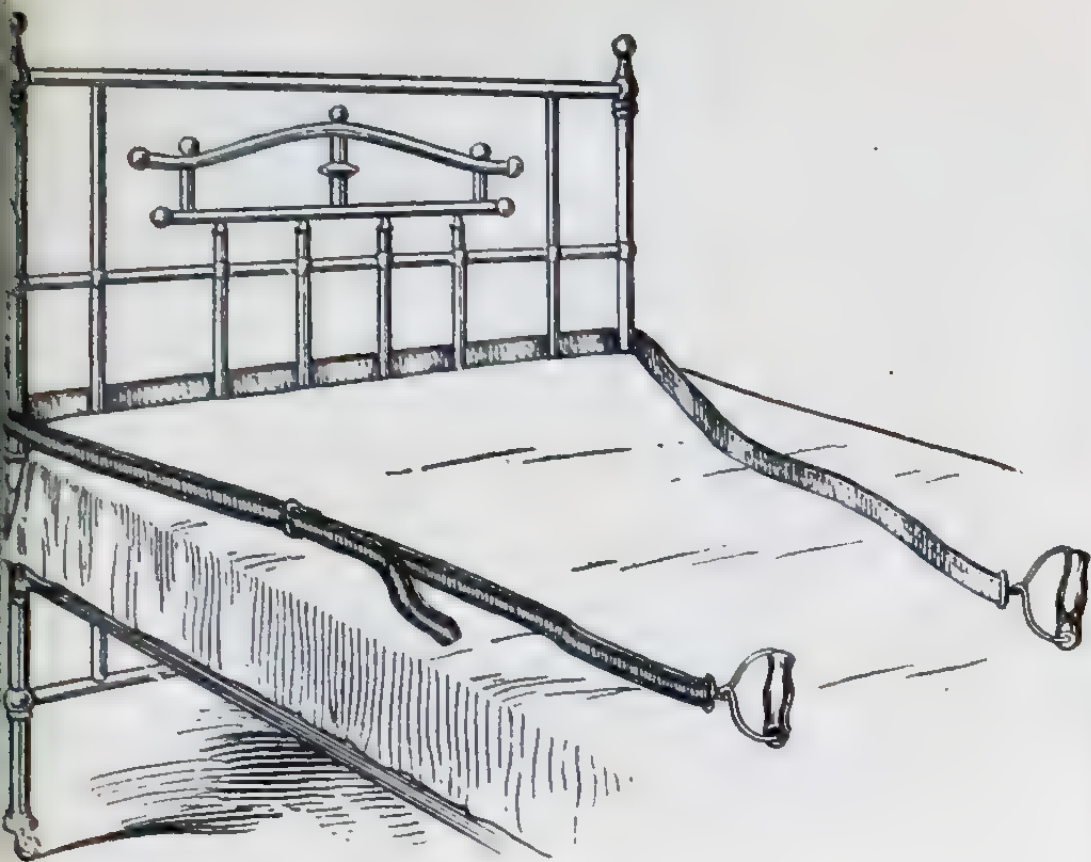
- *E-1880 Breisky's.
- E-1885 Carsten's, steel.
- E-1890 Collins', steel.
- E-1895 Collyer's, steel.
- E-1896 Collyer's, bronze.
- E-1900 Martin's.
- *E-1905 Williams', internal.

Obstetric Sundries

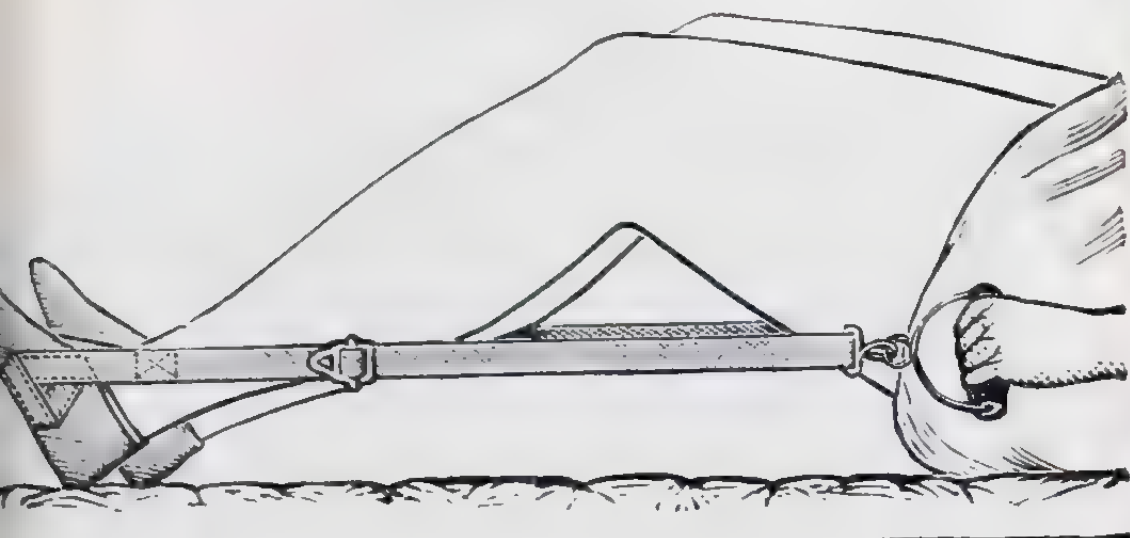
- E-1920 Umbilical Clamp, Surehold.
- E-1925 Umbilical Scissors, American pattern.
- E-1926 Umbilical Scissors, straight.

Baby Scales (see also page 14)

- E-1950 Spring, weighing up to 10 pounds by 1/4 pounds.
- E-1951 Spring, weighing up to 20 pounds by 1/4 pounds.
- E-1955 Brass dial, nickel plated, weighs up to 25 pounds by ounces.



E-1985

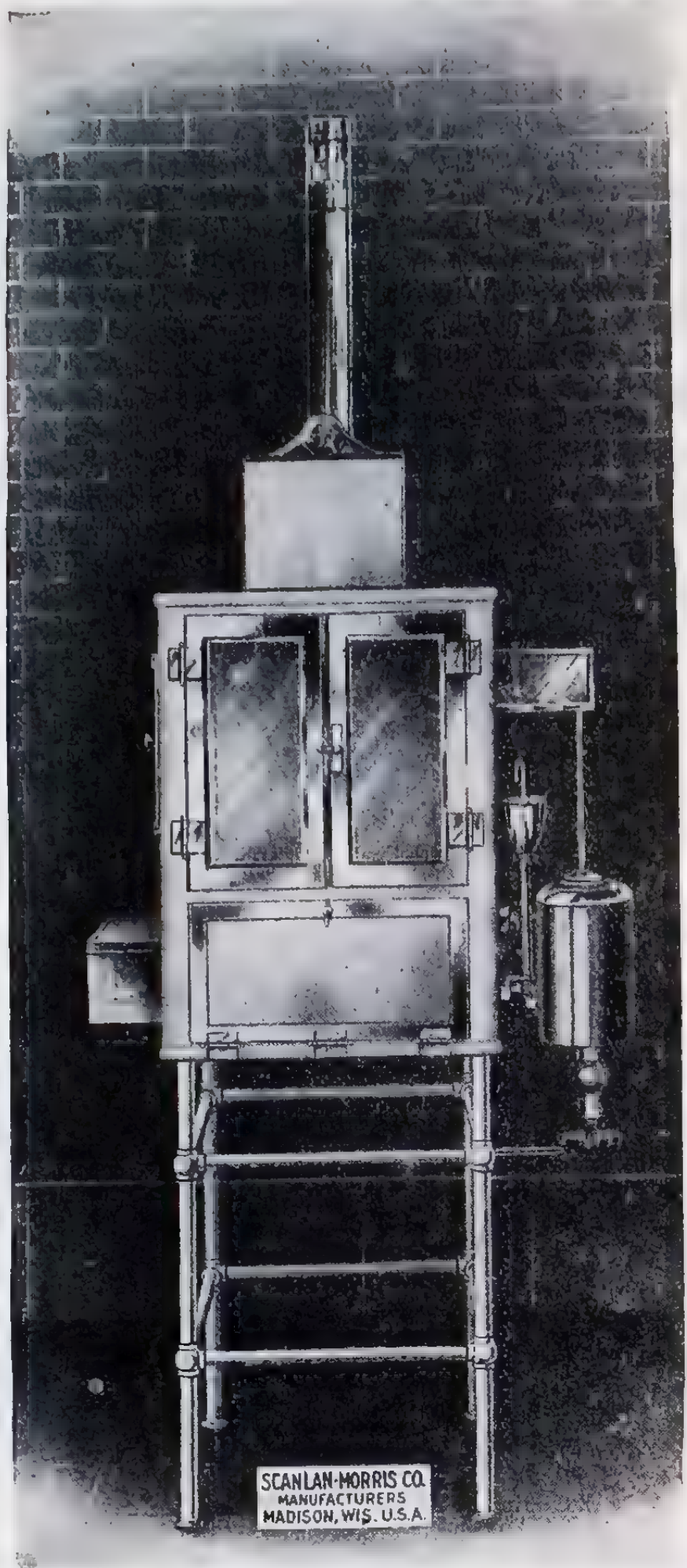


E-1980

Obstetric Aids

E-1980 **Klein's**, Obstetric slippers, leather.

E-1985 **Sterling-Lopez'**, obstetric bed straps, adjustable.



E-1990-1991

Infant Incubator, devised by Dr. J. B. DeLee; in use at the Chicago Lying-in Hospital

The DeLee incubator is built of steel and glass, so constructed as to permit of the thorough cleansing of all parts. All parts of the apparatus are carefully and accurately made. The body of the incubator and stand are finished in aluminum bronze; the doors fitted with plate glass.

Circular giving full description mailed upon request.

E-1990 **DeLee's** Infant Incubator, gas heated.

E-1991 **DeLee's** Infant Incubator, electrically heated by light bulbs.



E-2500



E-2510



E-2505



E-2515

Physicians' Leather Bags

- E-2500 **Boston Bag**, black seal grain leather, leather lined, with holder for bottle pad, and pocket, sizes 12, 13, 14 15 and 16 inches.
- E-2505 **Boston Bag**, sole leather, tan or black, leather lined, with holder for bottle pad, and pocket, sizes, 12, 13, 14, 15 and 16 inches.
- E-2510 **Club Style Bag**, black seal grain leather, leather lined, solid brass trimmings, nickel plated, with pocket, loop for bottle pad and loops in top for instruments, sizes, 12 x 6½ x 4½ inches, 14 x 7 x 5 inches, 16 x 8 x 6 inches, 17 x 8½ x 6¼ inches, 18 x 8½ x 6½ inches.
- E-2515 **Club Style Bag**, black sole leather, leather lined, English frame, solid brass lock and trimmings, leather corners, with loop for bottle pad, pocket for sundries and loops in top for instruments, sizes, 16 x 10 x 8 inches, 17 x 10½ x 8¼ inches, 18 x 11 x 8½ inches.

Illustrated catalogue of a complete line of leather bags and cases sent on request.



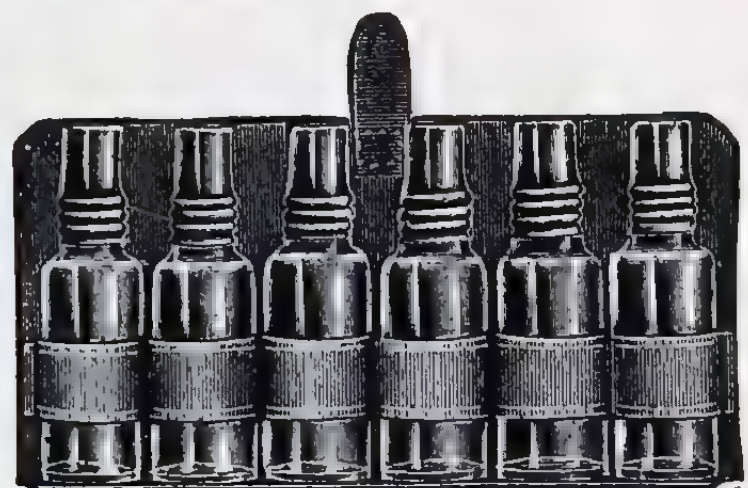
E-2520



E-2525



E-2530



E-2535

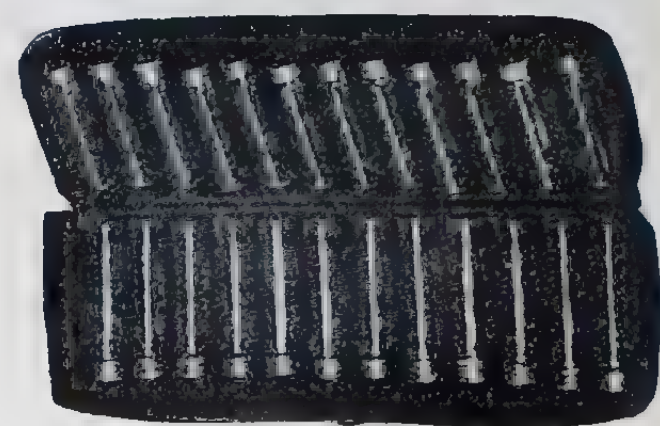
Physicians' Leather Bags

- E-2520 **Cabin Style Bag**, black seal grain leather, leather lined, nickel-plated trimmings, with loop for bottle pad, pocket for sundries and loops in top for instruments, sizes, 12 x 7½ x 6⅝ inches, 14 x 7½ x 6⅝ inches, 15 x 7½ x 6⅝ inches, 16 x 7½ x 6⅝ inches, 17 x 7½ x 6⅝ inches, 18 x 7½ x 6⅝ inches.
- E-2525 **Cabin Style Bag**, deep pattern, black walrus grain leather, English frame, leather lined, solid brass trimmings, with adjustable loops for bottles, pocket for sundries and loops in top for instruments, sizes, 16 x 11¼ x 6¾ inches, 17 x 11¼ x 6¾ inches, 18 x 11¼ x 6¾ inches.
- E-2530 **Combination Cabin Bag**, black seal or walrus grain leather, leather lined, brass trimmings. This bag has two compartments, the top has a loop for bottle pad and a pocket for sundries, the bottom is made to hold a copper sterilizer 16 x 6 x 3¼ inches; size of bag, 17 x 11 x 6⅝ inches.
- E-2535 Bottle Pad with 6 G. S. M. C. bottles, 1½ ounce.
- *E-2536 Bottle Pad with 5 G. S. M. C. bottles, 1½ ounce.
- *E-2537 Bottle Pad with 4 G. S. M. C. bottles, 1½ ounce.
- *E-2540 Copper Sterilizer, 16 x 6 x 3¼ inches.

Illustrated catalogue of a complete line of leather bags and cases sent on request.



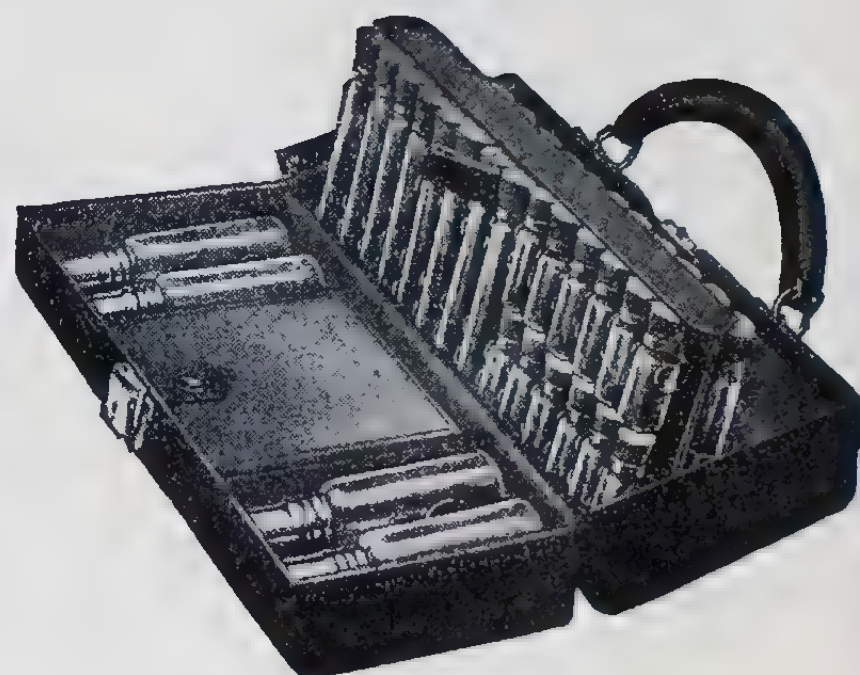
E-2550-E-2551



E-2565



E-2555-E-2556



E-2560

Physicians' Medicine Cases

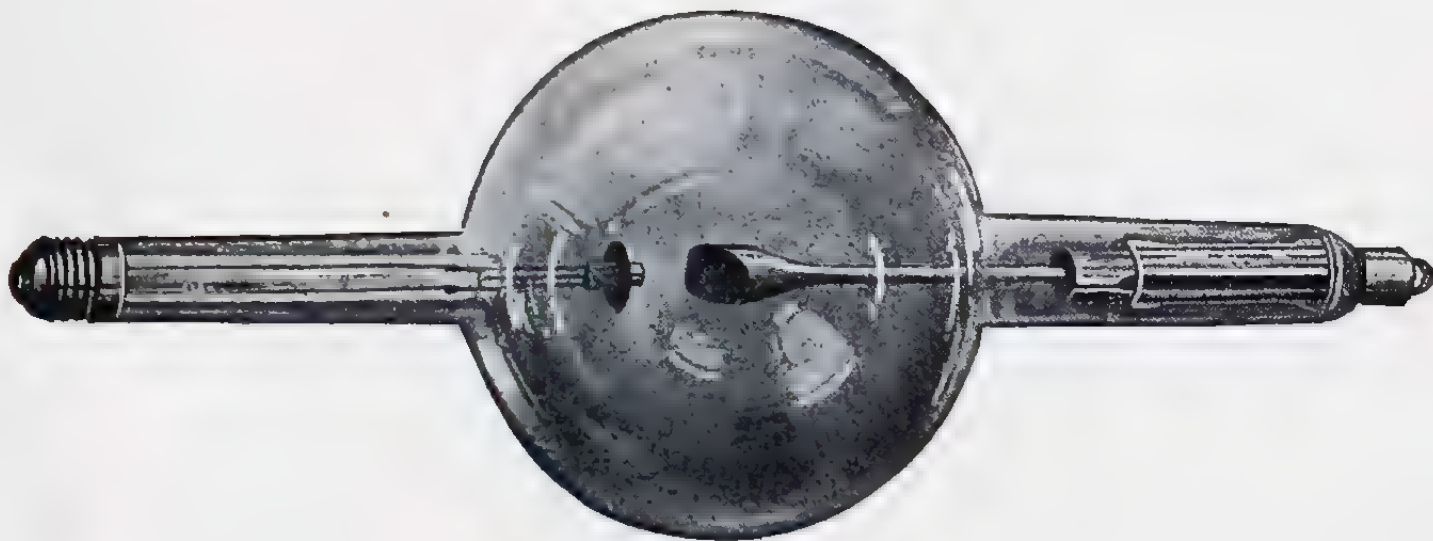
- E-2550 **Medicine Case**, black sole leather, hand sewed, hinged center partition, best cloth lining, contents: 18—4 dram, 12—2 dram and 10—1 ounce cork-stoppered vials, 4—1½ ounce ground stoppered and metal-capped bottles, also a covered box for sundries, size, 11 inches long, 6 inches high, 4¾ inches wide.
- E-2551 **Medicine Case**, same as E-2550, but leather lined.
- E-2555 **Medicine and Instrument Case** combined, black sole leather, hand sewed, hinged center partition with protective flange to keep corks in place, best cloth lining, contents: 19—5 dram and 16—6 dram cork-stoppered vials, 6—1½ ounce glass-stoppered and metal-capped bottles, also large sundry space with loops for instruments, size, 17 inches long, 6 inches high, 5½ inches wide.
- E-2556 **Medicine Case**, same as E-2555, but only 14 inches long, contents: 16—5 dram and 16—6 dram cork-stoppered vials, 4—1½ ounce glass stoppered and metal-capped bottles.
- E-2560 **Medicine Case**, black sole leather, hand sewed, hinged center partition with protective flange, red leather lining, contents: 22—4 dram and 12—2 dram cork-stoppered vials, 4—1 ounce ground-stoppered and metal-capped bottles, sundry space, 1 inch x 4 inch x 4 inch.
- E-2565 **Pocket Medicine Case**, black sole leather, hand sewed, velvet lined, contentst: 24—2 dram screw capped vials.

Illustrated catalogue of a complete line of leather bags and cases sent on request.

Section "F"

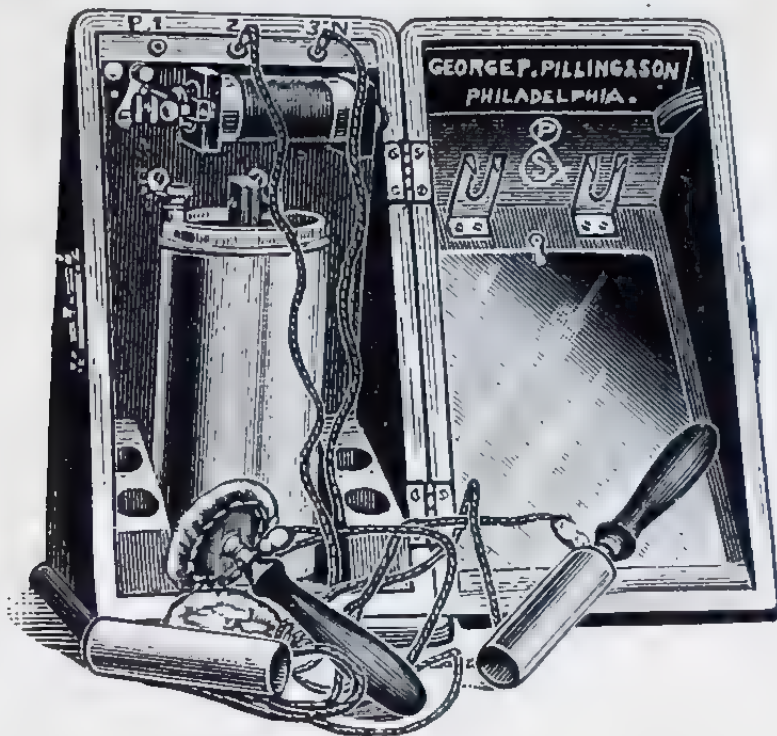


Electric Cautery Transformers
Electro-Cautery Burners and Accessories
Electric Current Controllers
Electro-Diagnostic Outfits
Electrolysis Instruments
Electro-Therapeutic Lamps
Faradic Batteries
Galvanic Batteries



Illustrated Descriptive Literature on Electrical Equipment not embodied in this catalogue owing to lack of space will be sent on request for the following:

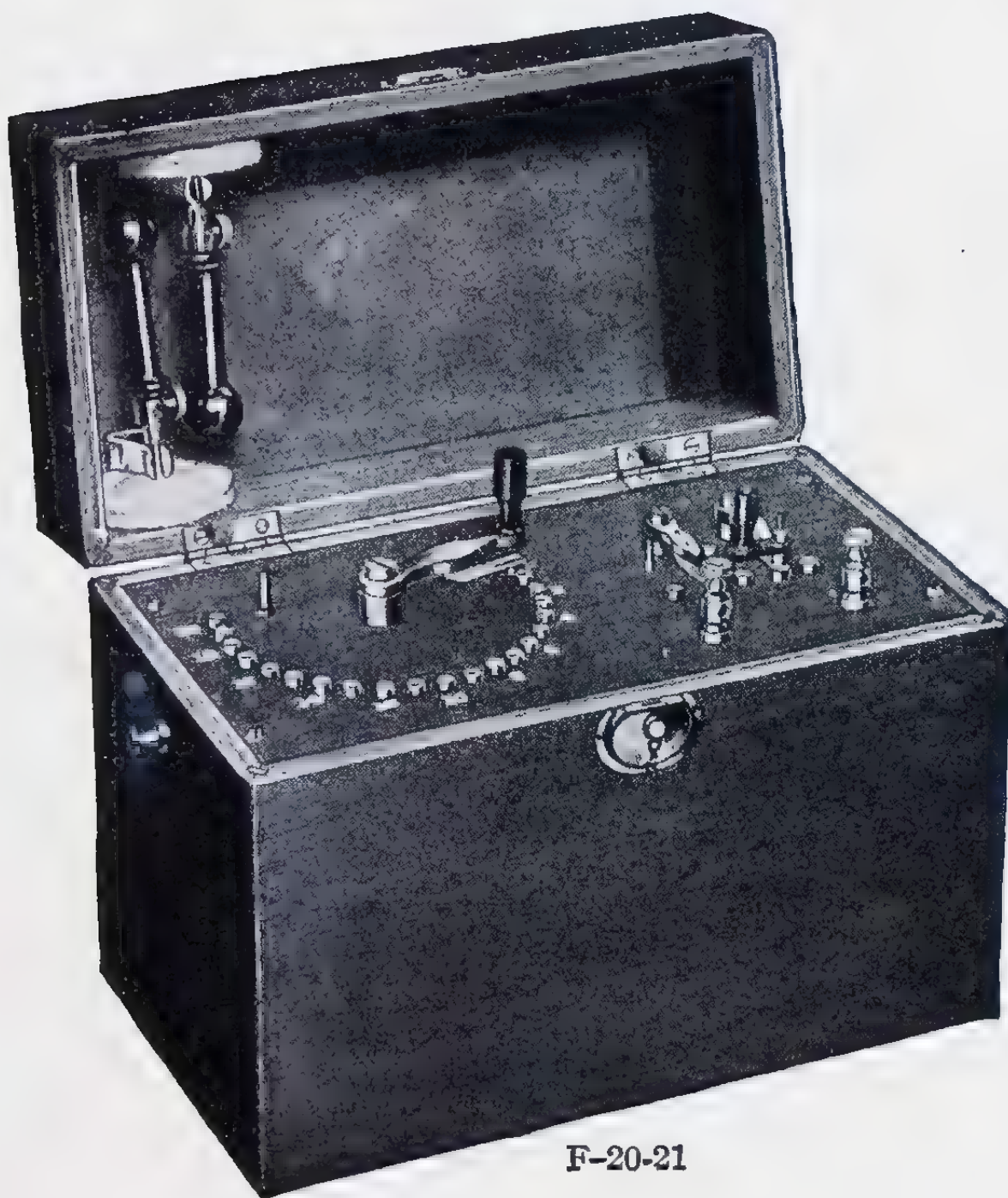
Electric Cabinets
Electric Eye Magnets
Electric High Frequency Apparatus
Electric Vibrators for Massage
Electric Wall Plates
X-Ray Equipment and Accessories



F-5



F-15



F-20-21



F-30

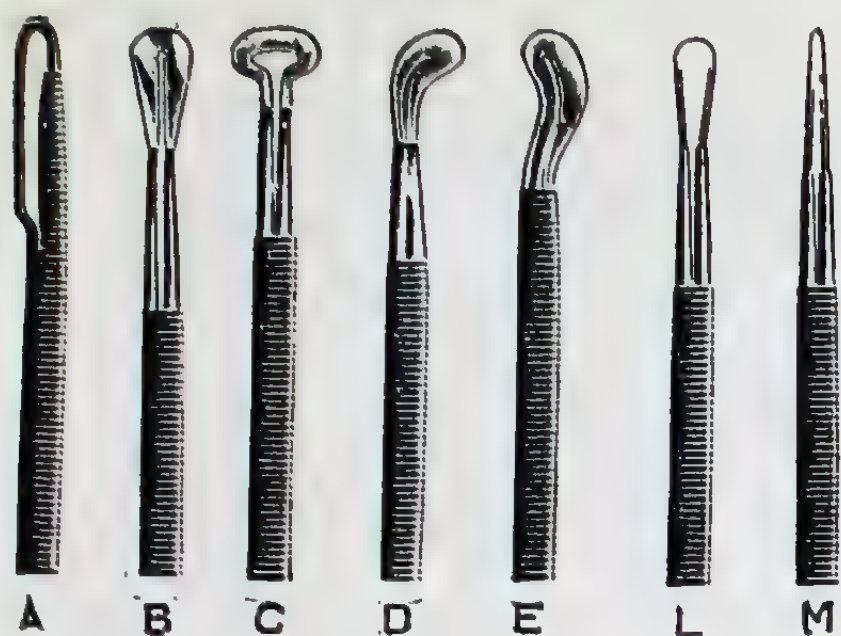
Faradic and Galvanic Batteries

- F- 5 **Domestic**, faradic battery, single cell, with foot plate, 2 shell electrodes, 2 handles, 2 sponge electrodes and silk covered cords, without cells. Any standard dry cells will fit.
- *F-10 **Domestic**, faradic battery, double cell, same as No. F-5, with more powerful current, without cells. Any standard dry cells will fit. Nos. F-5 and F-10 are put up in solid mahogany hand-polished cases.
- F-15 **Keystone**, faradic battery No. 3, with slow and rapid interrupters, complete with 2 sponge electrodes and handles, and cords in polished walnut case with lock and carrying strap.
- *F-16 **Keystone** Cells for above.
- F-20 **Keystone**, galvanic battery, 12 cell and 16 cell without pole changer, complete with 2 handles sponge electrodes and cords.
- F-21 **Keystone**, galvanic battery, 20 cell, 24 cell and 30 cell, with pole changer, complete with 2 handles, sponge electrodes and cords. Nos. F-20 and 21 are put up in polished mahogany cases with carrying straps.
- *F-22 **Keystone** Cells for above.

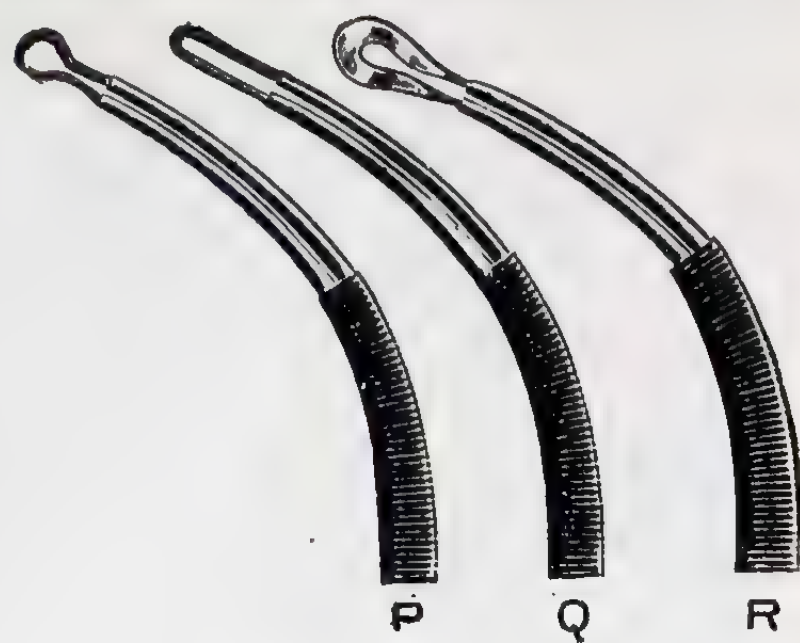
Electro-Therapeutic Lamps

- F-30 **Stein-O-Lite**, complete with 250-watt bulb, 8 feet silk covered cable and attachment plug, for 110 to 125 volt direct or alternating current.
- *F-31 **Stein-O-Lite**, same as above, but on portable stand with flexible metal stem.
- *F-32 **Stein-O-Lite**, extra bulbs for above.

STANDARD SURGICAL INSTRUMENTS



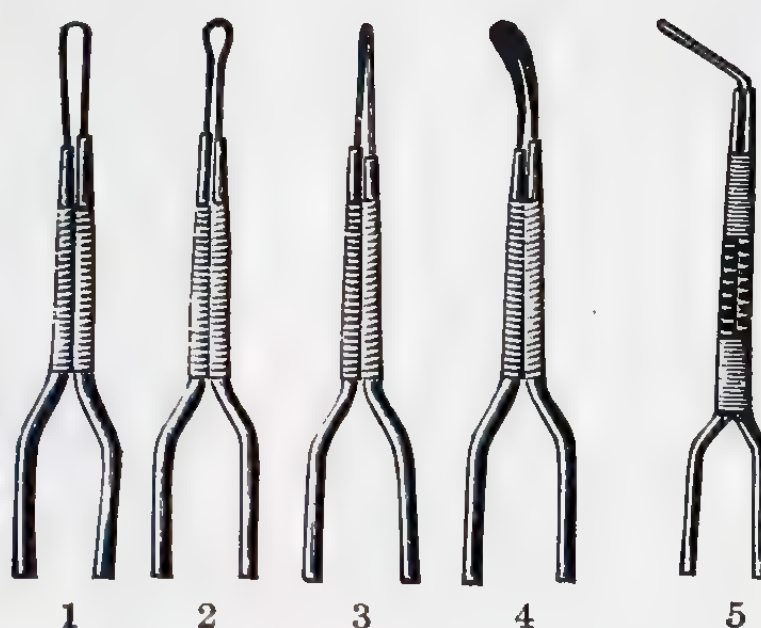
F-60



F-61



F-70-71-90



F-65



F-85



E-95



F-75

Electric Cautery Burners

- F- 60 Platinum Burners, straight, A to M.
- F- 61 Platinum Burners, curved, P, Q, R.
- F- 65 Platinum Burners, for eye work, 1 to 5.
- F- 70 Ziegler's Set of Platinum Burners, for eye work, complete with handle in case.
- F- 71 Ziegler's Platinum Burners only.

Electric Cautery Handles

- F- 75 Pilling's, with binding screws at burner end only.
- *F- 80 Seiler's, universal.
- F- 85 Western, with binding screws at both ends.
- F- 90 Ziegler's, for eye cautery knives.

Electric Cautery Cords

- F- 95 Geiger's, for Downes' cautery, heavy cable.
- F-100 Cautery Cords, regular.



F-120-121



F-123



F-131



F-130



F-132

Downes' Cautery Transformers

- F-120 **Downes'** No. 4, for alternating current, for Downes' knives up to 100 amperes.
- F-121 **Downes'** No. 4, same as above but with foot switch.
- *F-122 Foot Switch for above.
- F-123 **Downes'** No. 6, for direct current, for Downes' knives up to 100 amperes.

Downes' Cautery Knives

- F-130 **Downes'**, short, $4\frac{1}{2}$ inches long.
- F-131 **Downes'**, with extra long handle, length 8 inches
- F-132 **Downes'**, spiral dome, length 8 inches, the spiral is $\frac{5}{8}$ inch in diameter by $\frac{3}{8}$ inch long.

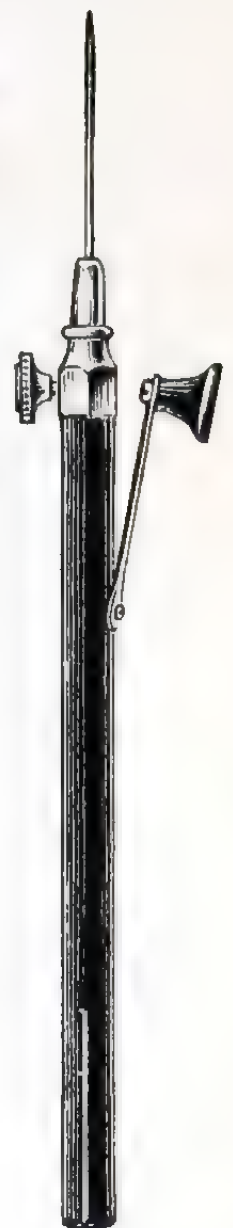
STANDARD SURGICAL INSTRUMENTS



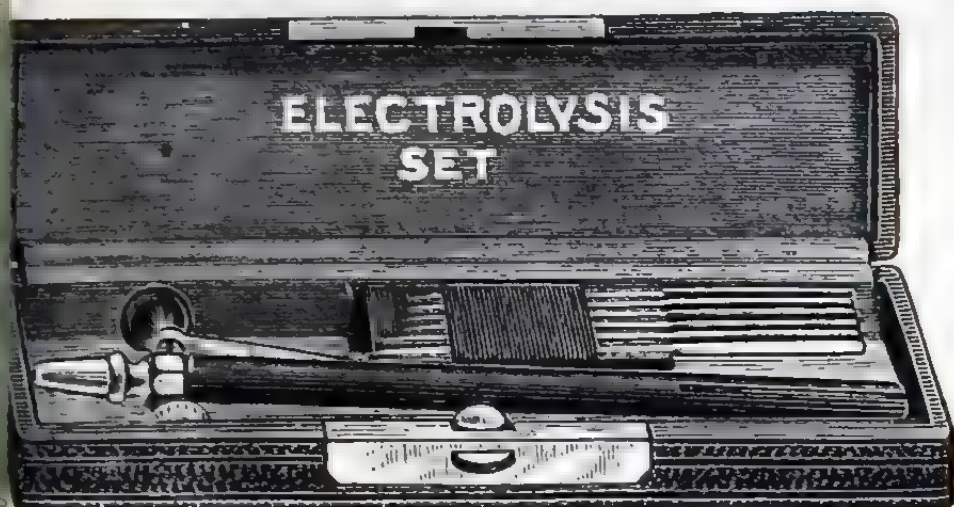
F-135-137



F-140



F-155



F-150



F-160



F-161-162



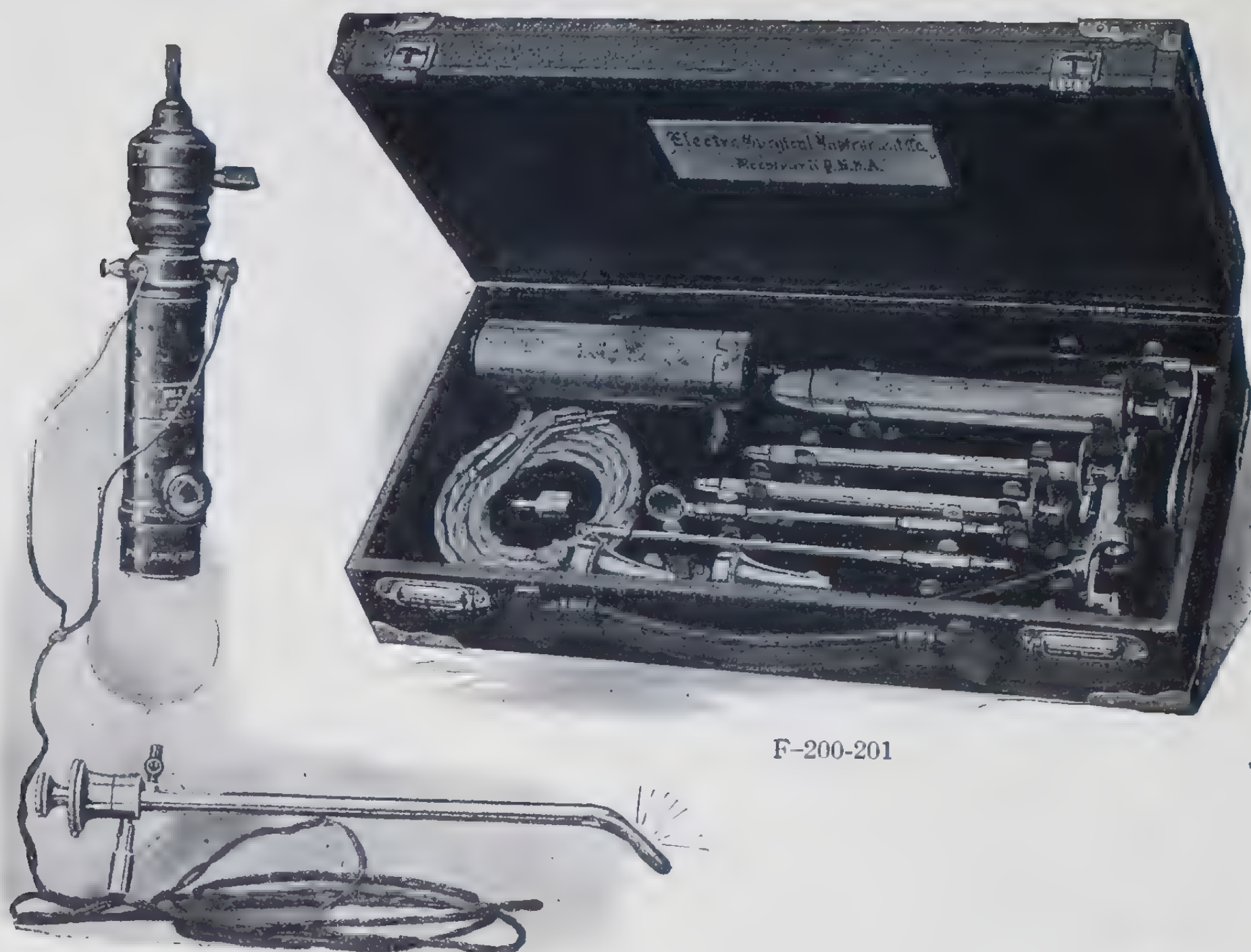
F-163

Cautery Transformers (continued)

- F-135 **E. S. I. Co.** Socket Cautery and Light Transformer, for alternating current, without cords.
- F-136 **E. S. I. Co.** Lamp Cords only for the above.
- F-137 **E. S. I. Co.** Cautery Cords only for the above.
When ordering please state voltage and cyclage of current on which transformer F-135 is to be used.
- F-140 **Wappler** Ground Free, Light and Cautery Transformer for alternating current complete with 7-foot connecting cable and attachment plug.

Electrolysis Instruments

- F-150 Electrolysis Set, consisting of 1 handle with interrupter, 1 iridioplatinum needle and 6 steel needles, in case.
- F-155 Electrolysis Handle, with interrupter.
- F-160 Electrolysis Needle, platinum, plain.
- F-161 Electrolysis Needle, Hayes', platinum, bulbous end.
- F-162 Electrolysis Needle, Hayes', regular, bulbous end.
- F-163 Electrolysis Needle, steel, plain.



F-215

F-200-201

Electro-Diagnostic Outfits

- F-200 **E. S. I. Co.** General, in leather-covered case, contents:
- 1 Tungsten Battery with conducting cords.
 - 1 Auriscope, Style B, with three specula (furnished with or without handle).
 - 1 Laryngoscope.
 - 1 Tongue Depressor.
 - 1 General Diagnostic Illuminator.
 - 2 Koch Urethrosopes (any sizes).
 - 1 Light Carrier for Urethrosopes (Interchangeable).
 - 1 E. S. I. Co. Proctoscope (any size).
 - 1 Light Carrier for Proctoscope.
- F-201 **E. S. I. Co.** General, same as above, but with socket current controller instead of Tungsten battery.
- Any selection of E. S. I. Co. General diagnostic instruments will be fitted into a case upon order.
- F-205 **E. S. I. Co.** Tungsten Battery, with rheostat.
- F-210 **E. S. I. Co.** Conducting Cords, regular, silk or rubber covered.
- F-211 **E. S. I. Co.** Conducting Cords, with make and break attachment, silk or rubber covered.

Socket Current Controllers (see also page 243)

- F-215 **E. S. I. Co.**, complete with resistance lamp and cords.
- F-220 **Steiner's**, complete with resistance lamp.
- F-225 **Wappler's**, complete with resistance lamp.



F-205

Section "G"



Office Furniture

Office Sterilizing Apparatus

Hospital Supplies

Surgical Rubber Goods

Sick Room Utensils

Invalid Rolling Chairs

Invalid Supplies



G-5-15

G-1

G-20

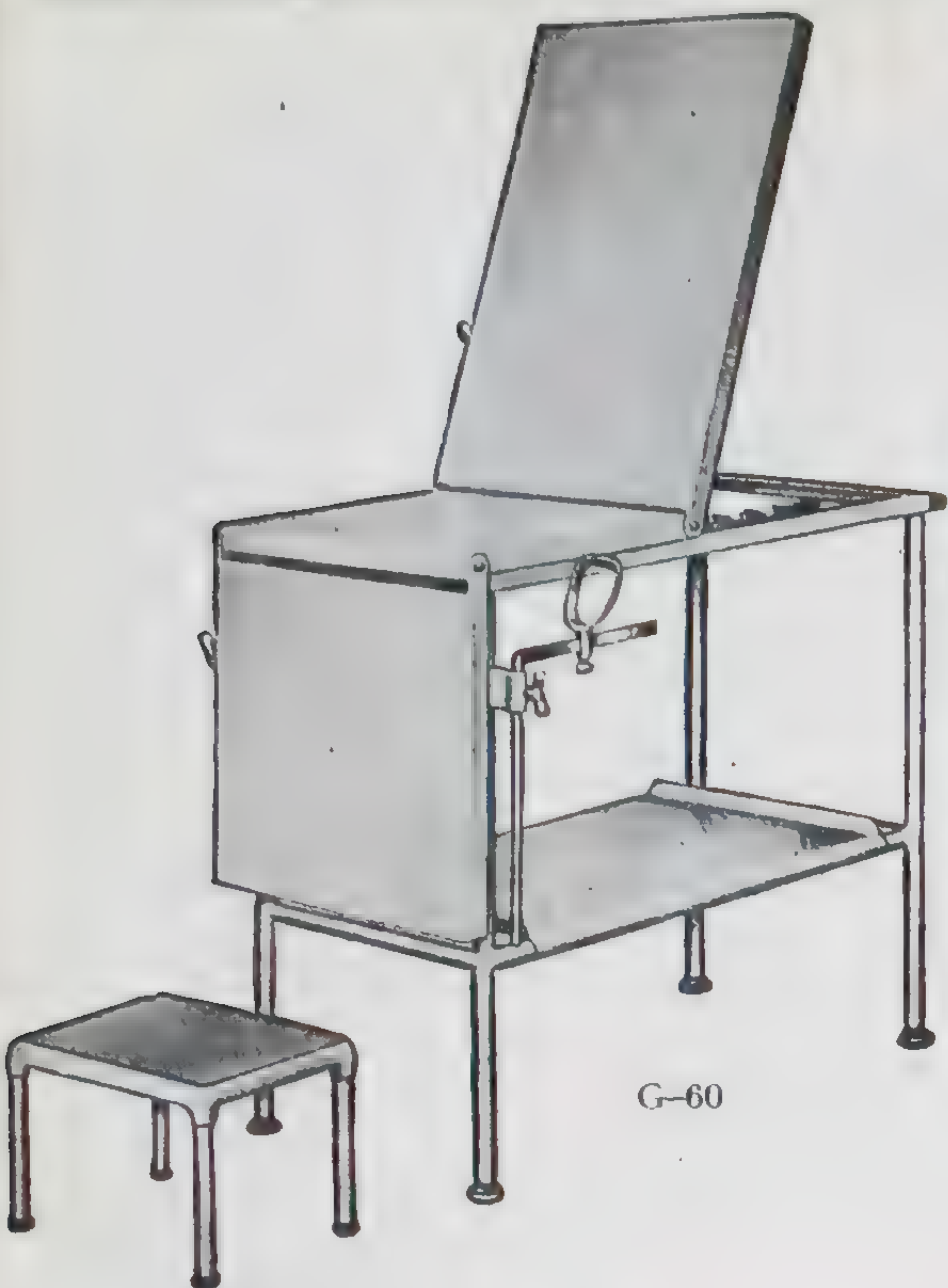
Office Furniture

- G- 1 **Sorensen's** "Just It" Specialist's Outfit, complete as shown, consisting of Midget pump with universal motor for 110 volt direct or 110 volt, 60 cycle A. C., spray holder with 6 sprays, vacuum sinus cleanser with gauge, adjustable lamp bracket with condensor and bulls-eye, 2 drawer instrument cabinet on double bracket, waste receptacle on single bracket, electrical sterilizer 10½ inches long on double bracket, and cluster set for electrical connection. The Midget pump will maintain a continuous, steady pressure of 10 to 15 pounds.
- G- 5 **Sorensen's** Universal Specialist's Chair, complete with adjustable instrument tray on swinging bracket and cuspidor on swinging bracket.
- G-10 **Sorensen's** Universal Specialist's Chair, with adjustable instrument tray on swinging bracket, without cuspidor.
- G-15 **Sorensen's** Universal Specialist's Chair only, without instrument tray or cuspidor.
- G-20 **Sorensen's** Specialist's Stool, porcelain enamel.

When ordering specify color of upholstery desired on chair.

Complete Catalogue of office furniture sent on request

STANDARD SURGICAL INSTRUMENTS



G-60

G-85



G-62 and 64



G-80



THE KNY-SCHNEIDER CO
G-70

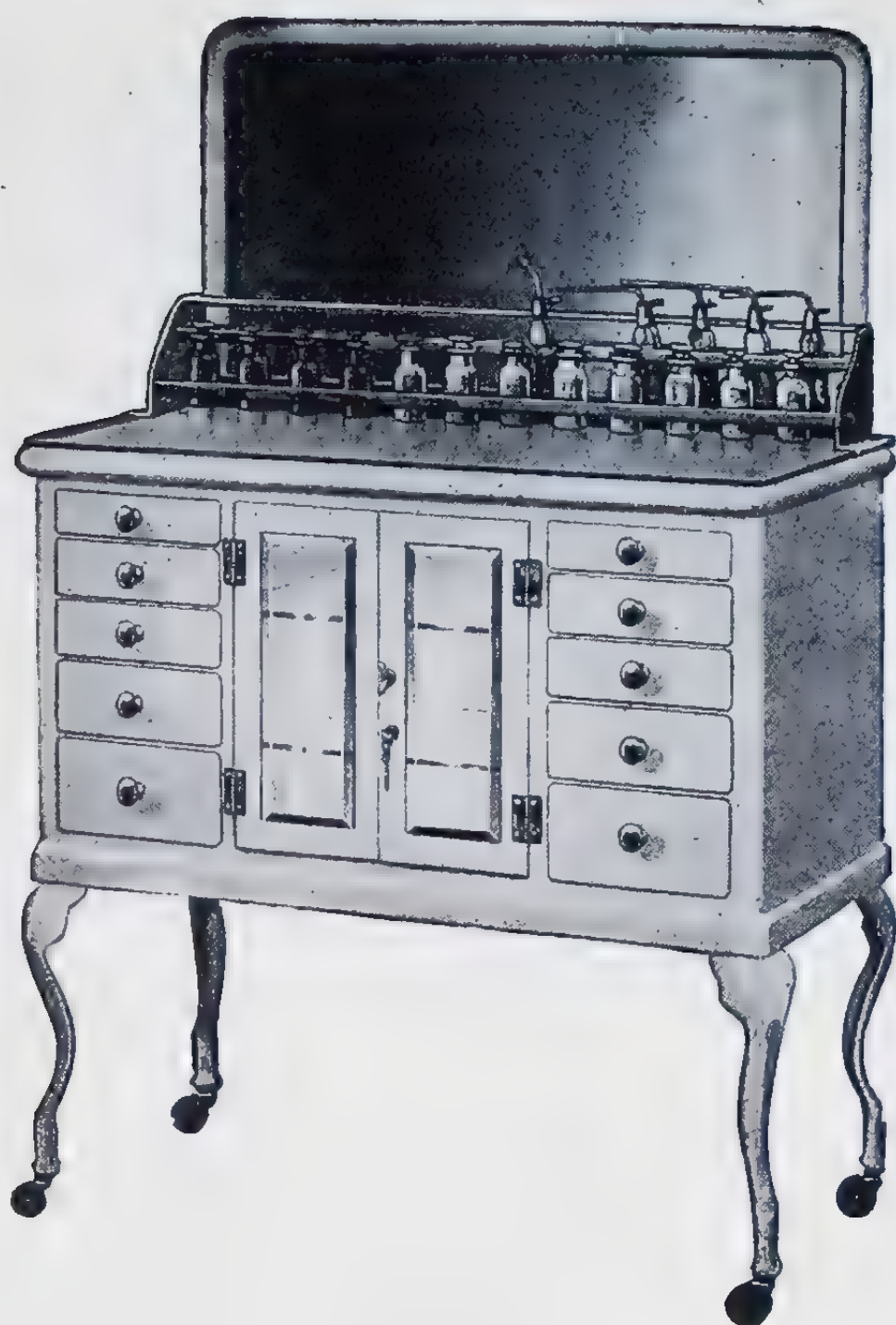


G-90

Office Furniture

- G-60 Office Examining and Treatment Table, complete with stirrups.
- *G-61 Office Table, same as G-60 but without shelf.
- G-62 Office Table, same as G-60, with 2 drawers.
- *G-63 Office Table, same as G-62, without shelf.
- G-64 Cushions to fit any of the above tables, made of leatherette.
- G-70 **Buchanan's** Portable Operating Table or Office Chair, complete with stirrups and leg holders.
- *G-71 Irrigator Rod with irrigator, tubing, nozzle and cut-off, for Buchanan's table.
- *G-72 Cushions for Buchanan's table.
- *G-73 Canvas Carrying Pouch for folded Buchanan's table.
- G-80 **Isaac's** Operating Table or Office Chair, complete with stirrups and leg holders.
- G-85 Foot Stool, with rubber top or linoleum top.
- G-90 **Mayo's** Instrument Rack, with removable porcelain enameled tray.

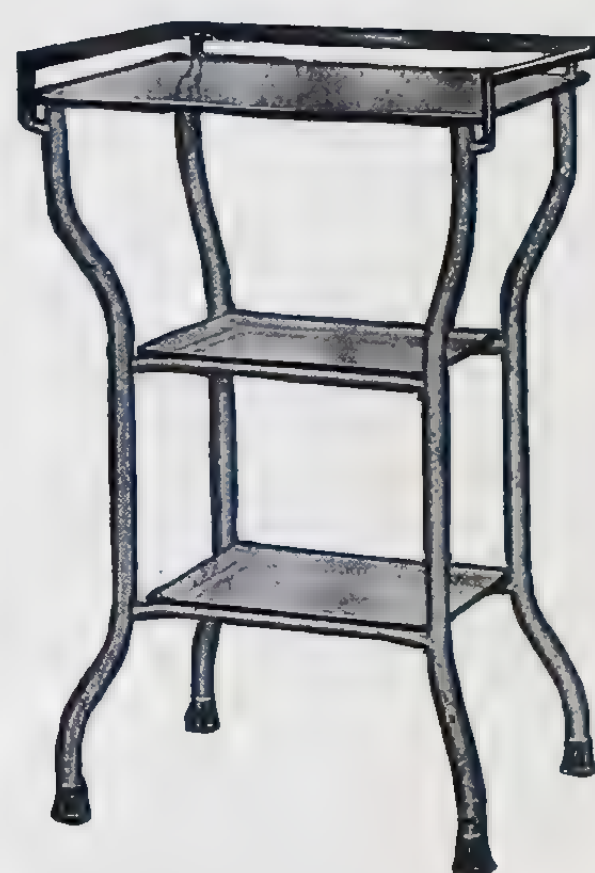
Complete catalogue of office furniture sent on request.



G-100



G-105



G-110

Office Furniture

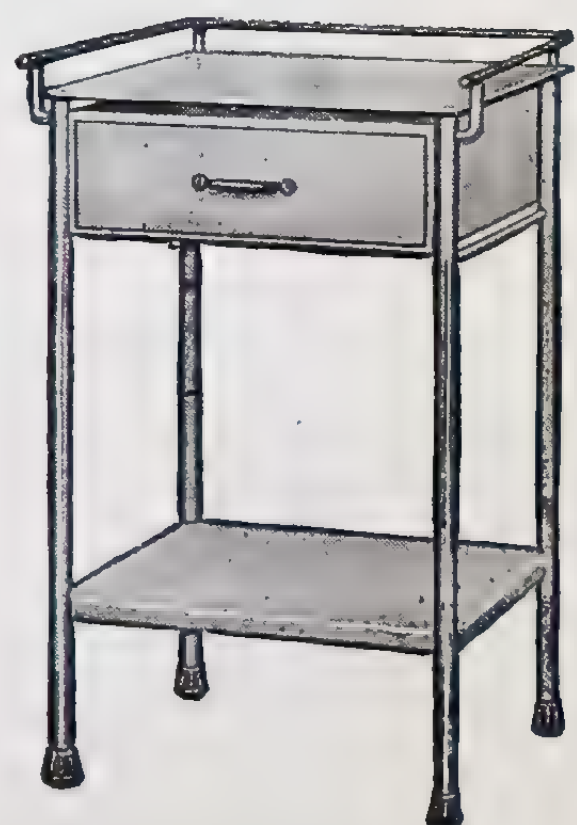
G-100 Specialist's Cabinet, Multum in Parvo, with rack for 12 atomizers and 12 2-ounce ground-stoppered, salt mouth bottles, plate-glass mirror, doors, shelves and top, complete with 12 crystal, blue and amber bottles, white enameled.

G-105 Specialist's Cabinet, with bottle rack, plate-glass doors, shelves, and top 16 x 30 inches, without bottles, white enameled.

G-110 Side Table, Gem, 16 x 20 inches, polished plate-glass top, two plate-glass shelves, and nickel-plated guard rail.

G-115 Side Table, 16 x 20 inches, polished plate-glass top, nickel-plated guard rail, enclosed drawer and white enameled shelf.

Complete catalogue of office furniture sent on request.



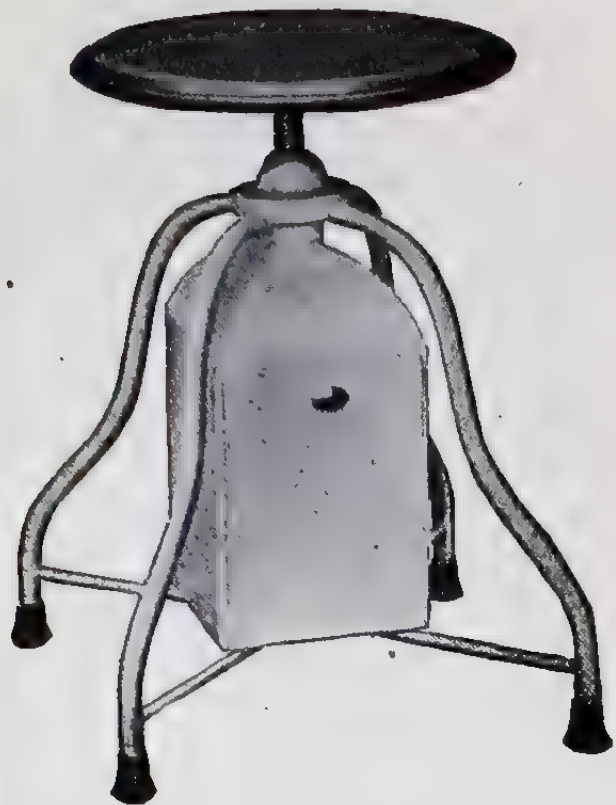
G-115



G-125



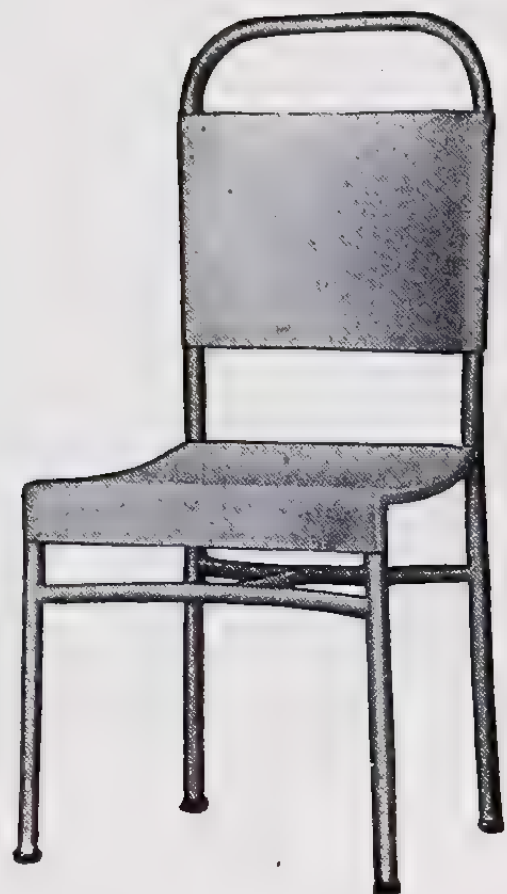
G-120



G-126



G-135



G-130

Office Furniture

G-120 Specialist's Chair, with adjustable back, seat, arms and head rest, nickel-plated seat, arms, head rest and fittings, white enameled.

G-125 Specialist's Stool, with nickel-plated seat, adjustable.

G-126 Specialist's Stool, with nickel-plated seat, adjustable, and waste receptacle.

G-130 Office Chair, tubular construction, white enameled.

*G-131 Office Chair, same as G-130, but with slightly lower back.

G-135 Irrigator and Basin Stand, complete as shown.

*G-136 Irrigator Stand, plain upright with three hooks.

*G-137 Irrigator Stand, with adjustable hook for raising or lowering.

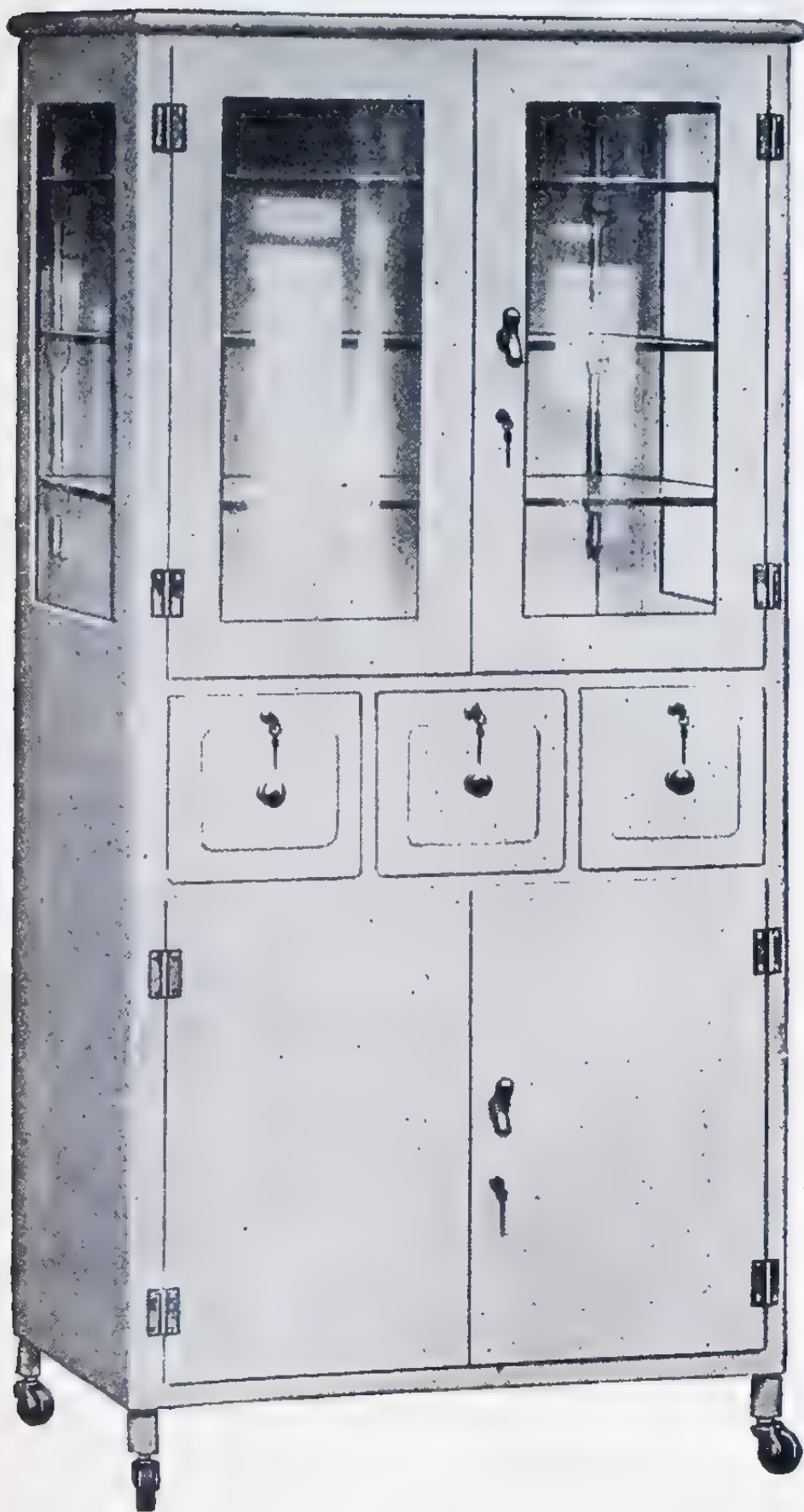
G-140 Sanitary Waste Receptacle, white enameled, opens with foot pressure, sizes 2, 6, 8 and 10 gallons.

G-141 Sanitary Waste Receptacle, same as G-140, but aluminum finish on galvanized iron, sizes 3, 6, 8 and 10 gallons.

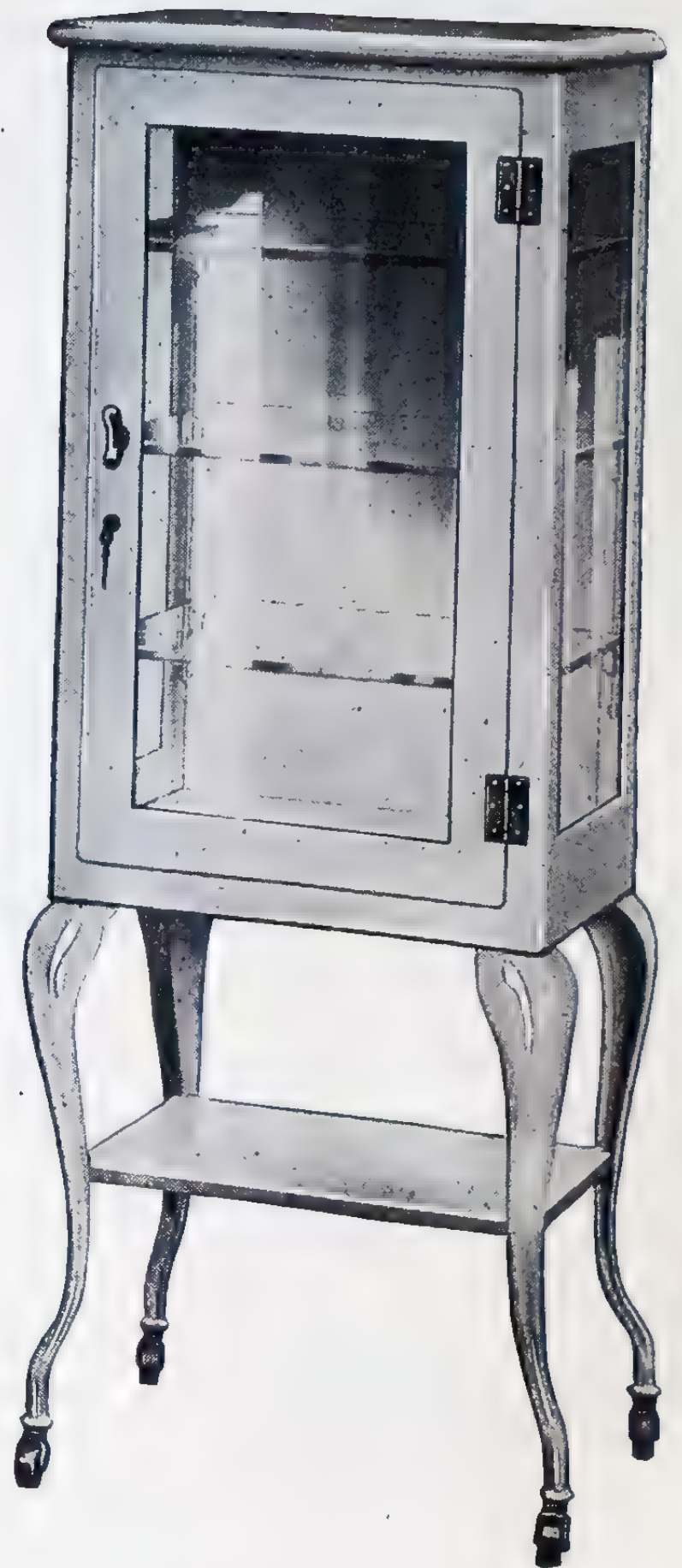


G-140-141

Complete catalogue of office furniture sent on request.



G-150



G-155

Office Furniture

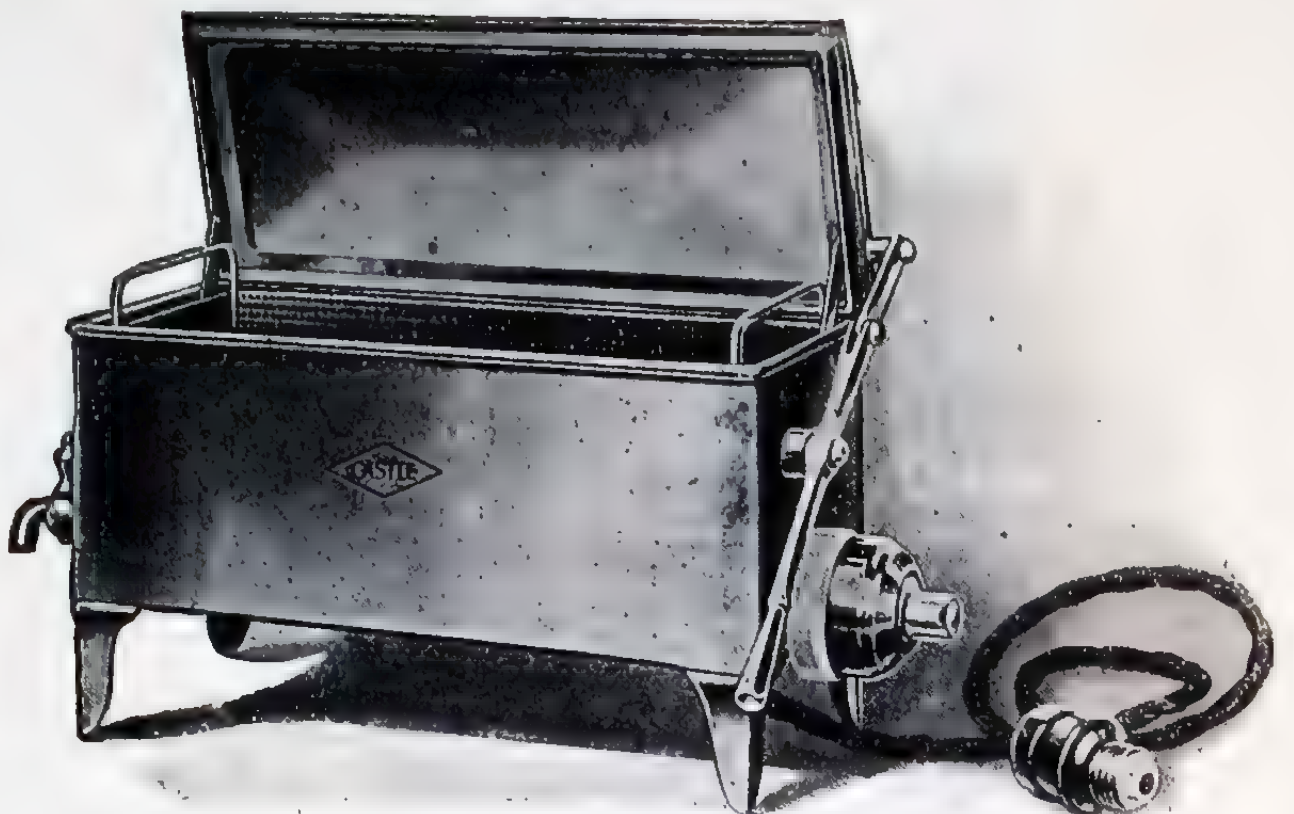
- G-150 Instrument and Dressing Cabinet combined, with polished plate-glass doors, sides and shelves, locks and keys for doors and drawers, size over all, 62 x 30 x 16 inches, white enameled.
- G-155 Instrument Cabinet, with polished plate-glass door, sides and shelves, size over all, 56 x 20 x 16 inches, white enameled.

Complete catalogue of office furniture sent on request.

STANDARD SURGICAL INSTRUMENTS



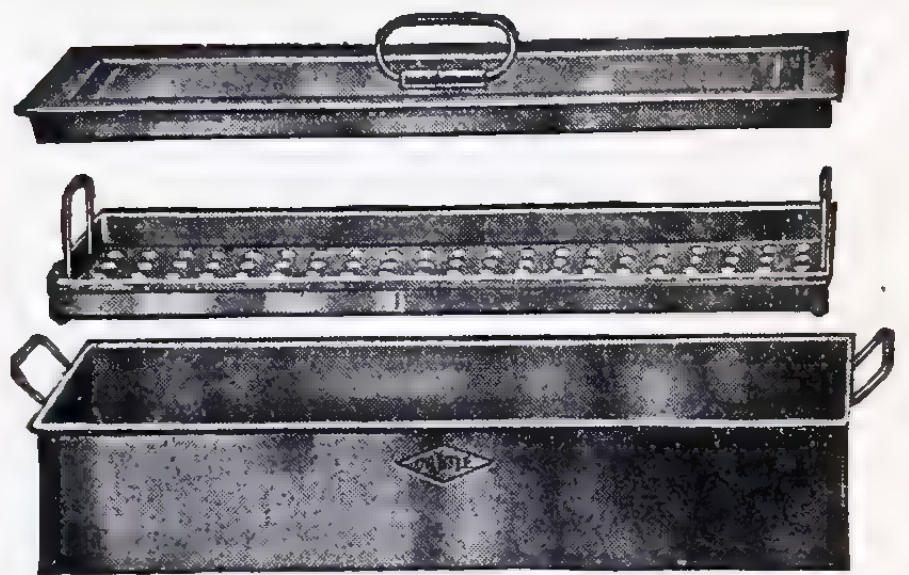
G-200



G-210



G-205

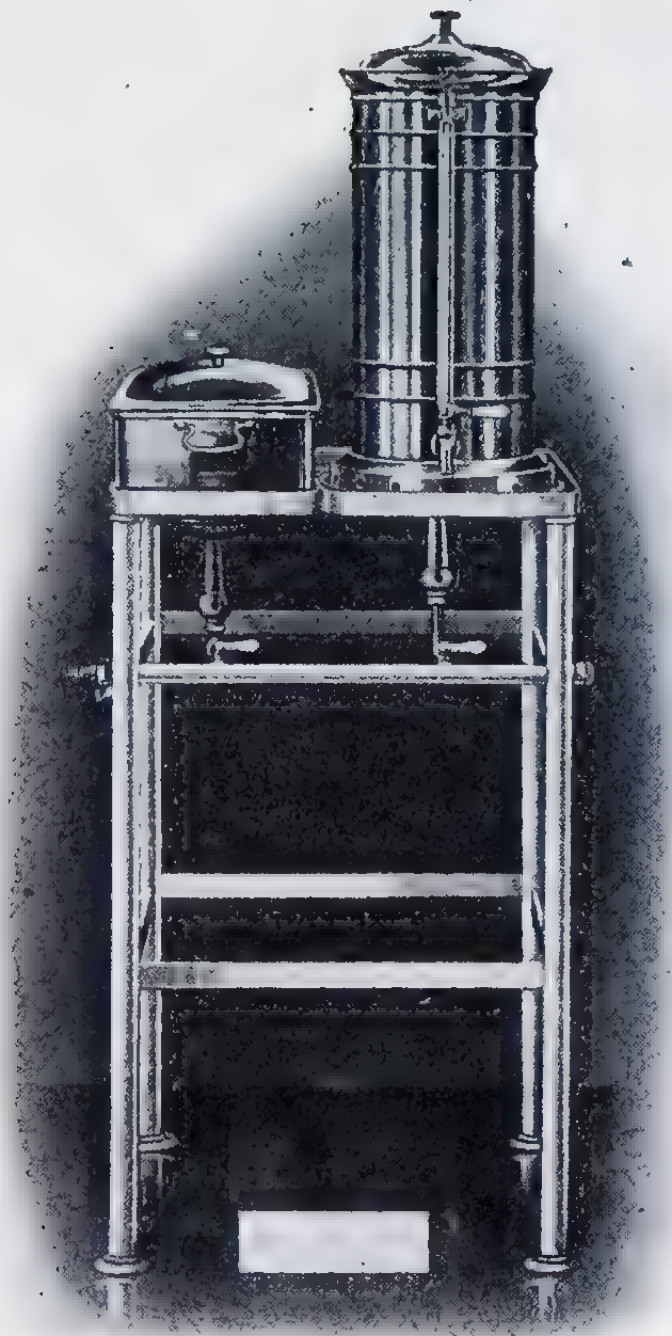


G-215

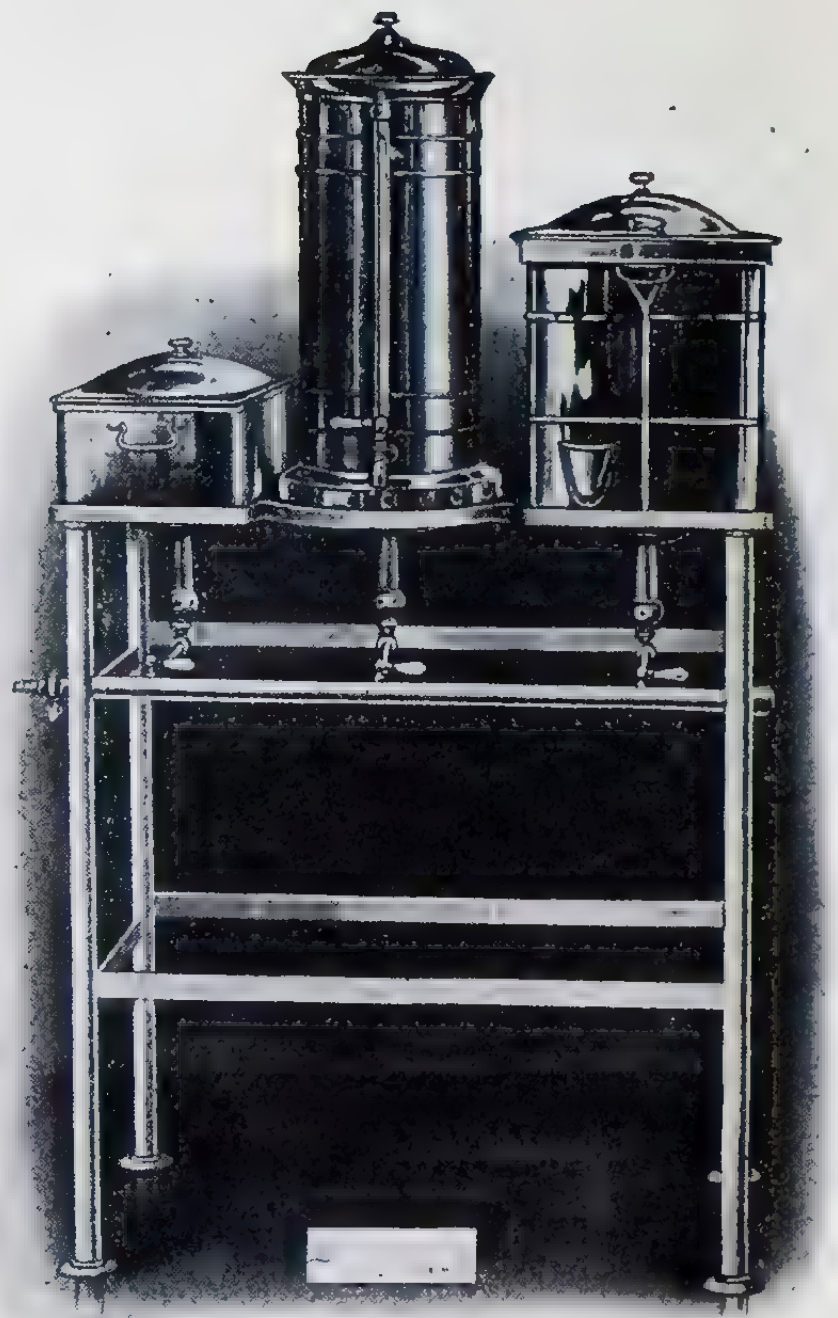
Office Sterilizers

- G-200 Rochester Dressing and Instrument Sterilizer combined, copper, nickel plated, for gas heating, sizes: 10 x 4½ x 4½ inches; 14 x 6 x 6 inches; 16 x 6¾ x 7 inches; 18 x 7½ x 8 inches; 22 x 10 x 10 inches.
- G-205 Rochester Dressing and Instrument sterilizer combined, copper, nickel plated, for electric heating, direct or alternating current, sizes the same as gas-heated sterilizers. When ordering state voltage.
- G-210 Instrument Sterilizer, copper, nickel plated, with safety cover raising device, electrically heated, direct or alternating current, sizes: 10½ x 5 x 3¼ inches; 13 x 5 x 3¼ inches; 16 x 6 x 3½ inches. When ordering state voltage.
- G-215 Instrument Sterilizer, copper, with tray, sizes: 6½ x 4¼ x 4¼ inches; 9 x 5 x 1½ inches; 11 x 5½ x 1¾ inches; 13 x 6 x 2½ inches; 16 x 5 x 3 inches; 16 x 6½ x 3¼ inches; 18 x 7 x 3½ inches.
- *G-220 Instrument Sterilizer, copper, with tray and folding legs, sizes: 8 x 5 x 2½ inches; 12 x 5 x 2½ inches; 16 x 3 x 3 inches; 16 x 5 x 2½ inches; 16 x 6 x 2½ inches; 16 x 6 x 3 inches; 17½ x 6 x 3 inches.

Complete illustrated list of office sterilizers sent on request.



G-230



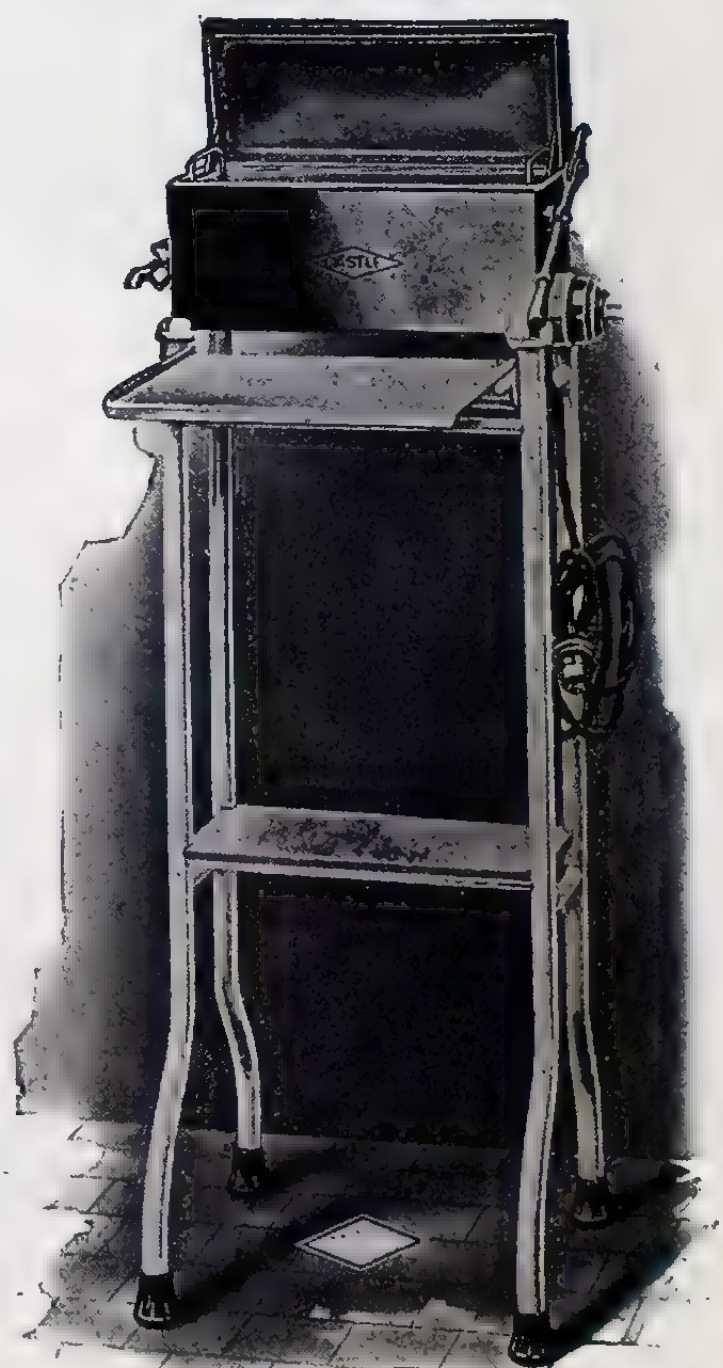
G-235

Office Sterilizers

- G-230 The Monona,** Water and Instrument Sterilizing Plant, on white enameled stand, nickel-plated copper sterilizers, with gas, gasoline or denatured alcohol burners.
- G-235 The Wisconsin,** Water, Instrument and Dressing Sterilizing Plant, on white enameled stand, nickel-plated copper sterilizers, with gas, gasoline or denatured alcohol burners.
- G-240** Instrument Sterilizer, copper, nickel-plated, with safety cover raising device, electrically heated, direct or alternating current, on white enameled stand with shelf for instruments, sizes, $10\frac{1}{2} \times 5 \times 3\frac{1}{4}$ inches, $13 \times 5 \times 3\frac{1}{4}$ inches, $16 \times 6 \times 3\frac{1}{2}$ inches.

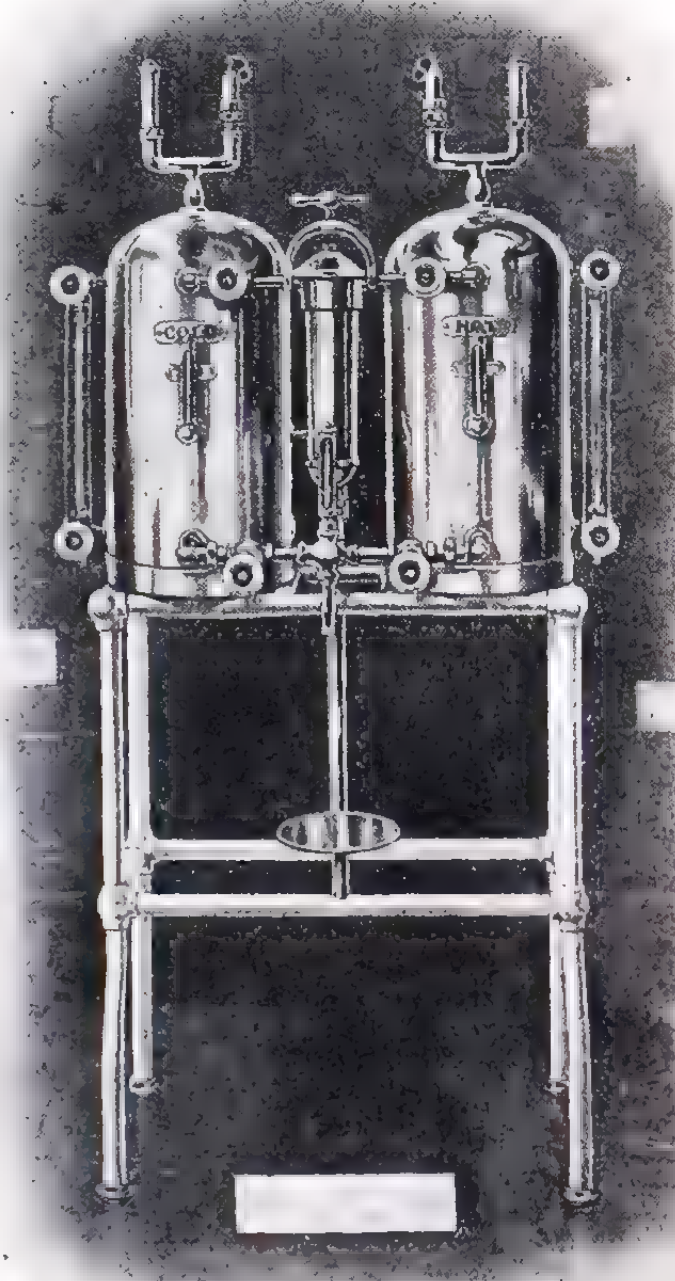
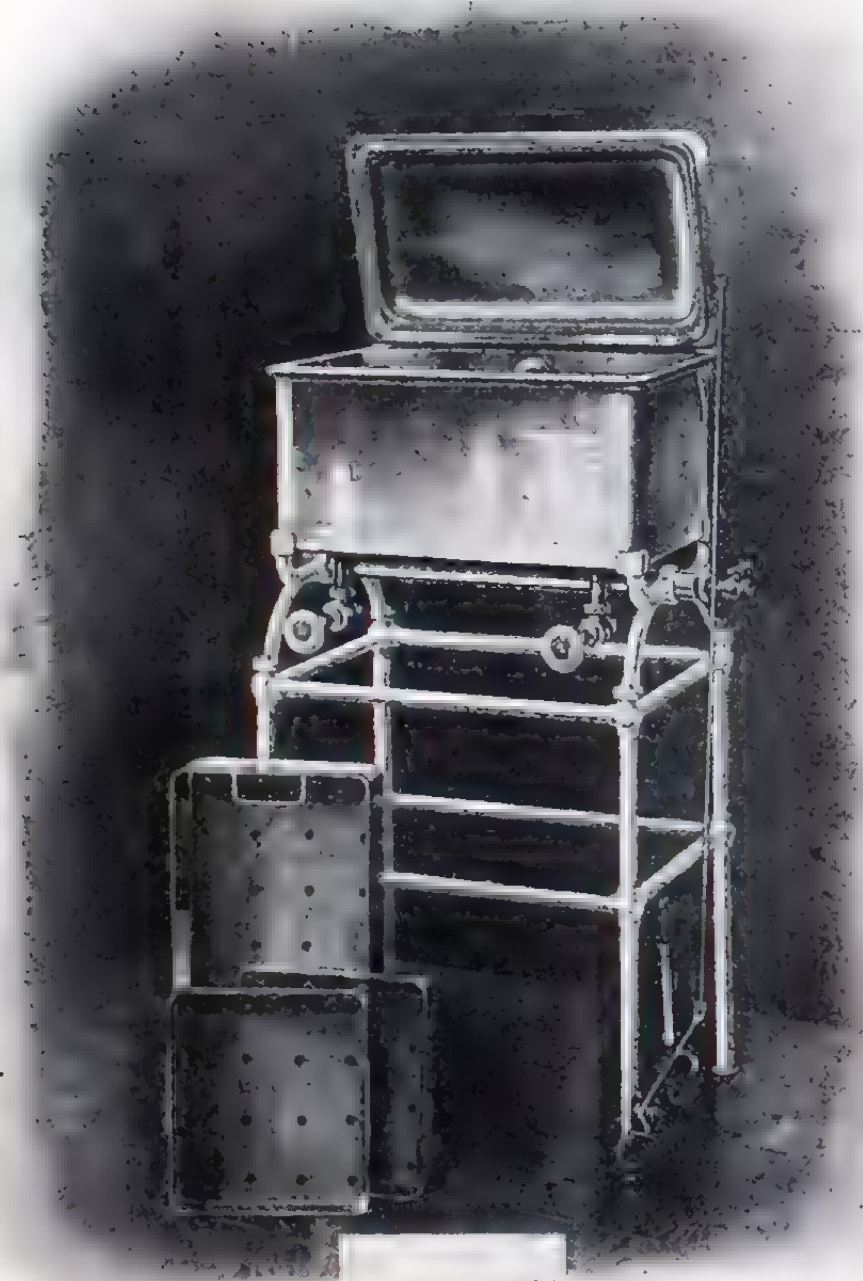
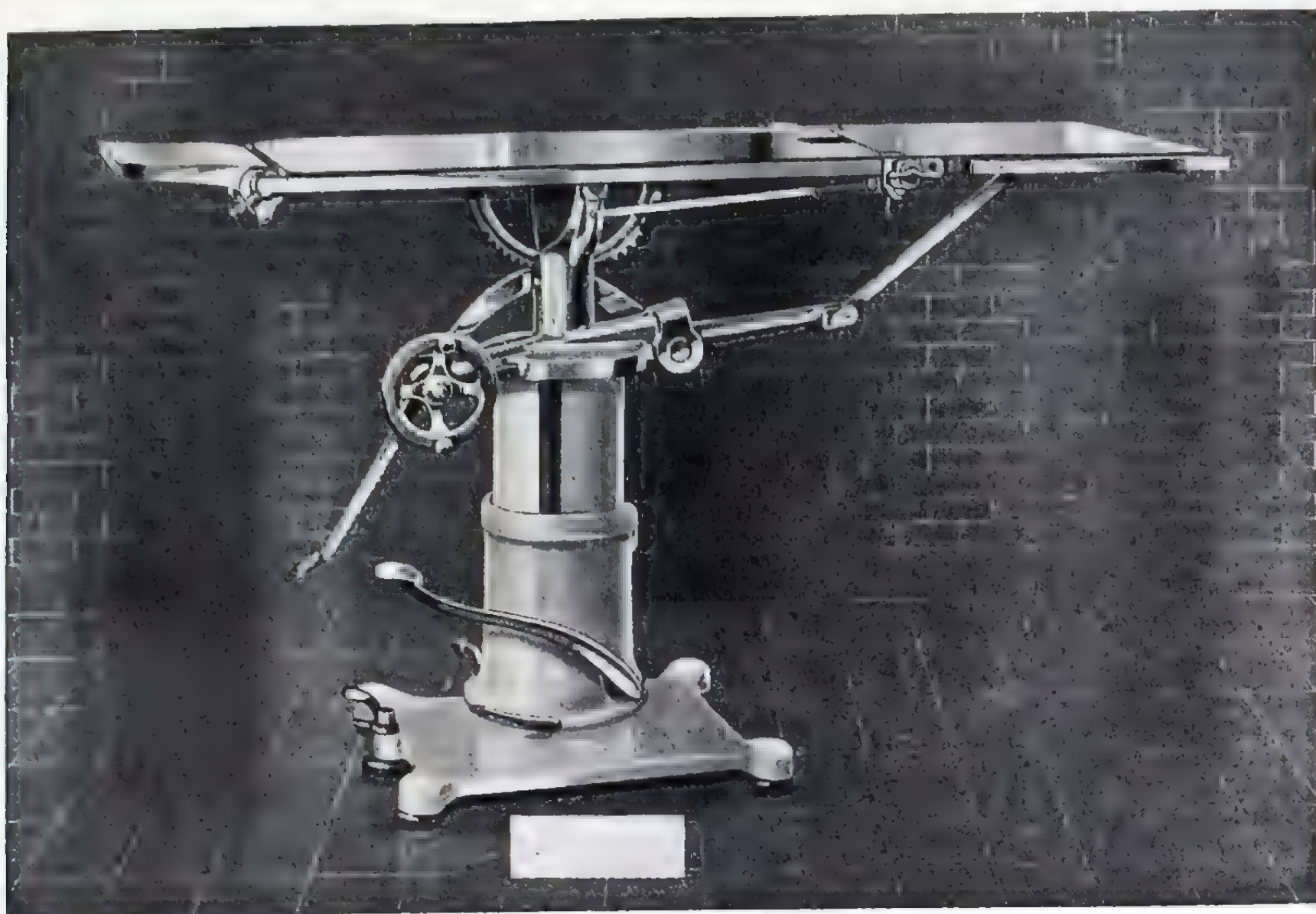
When ordering state voltage.

Complete illustrated list of office sterilizers sent on request.

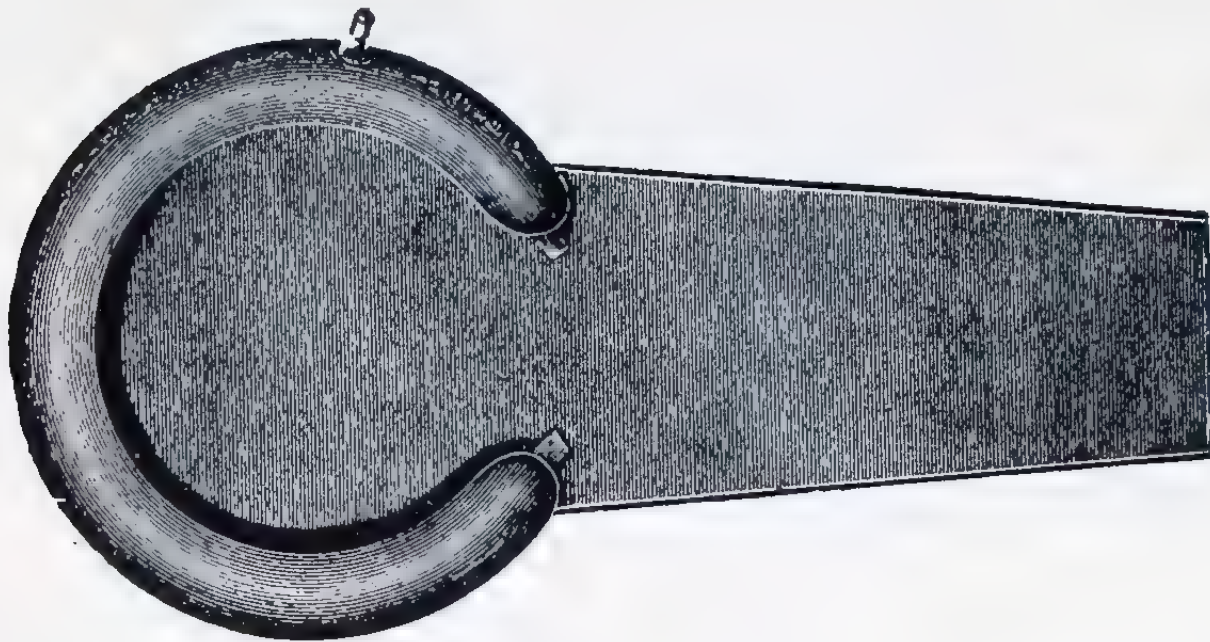


G-240

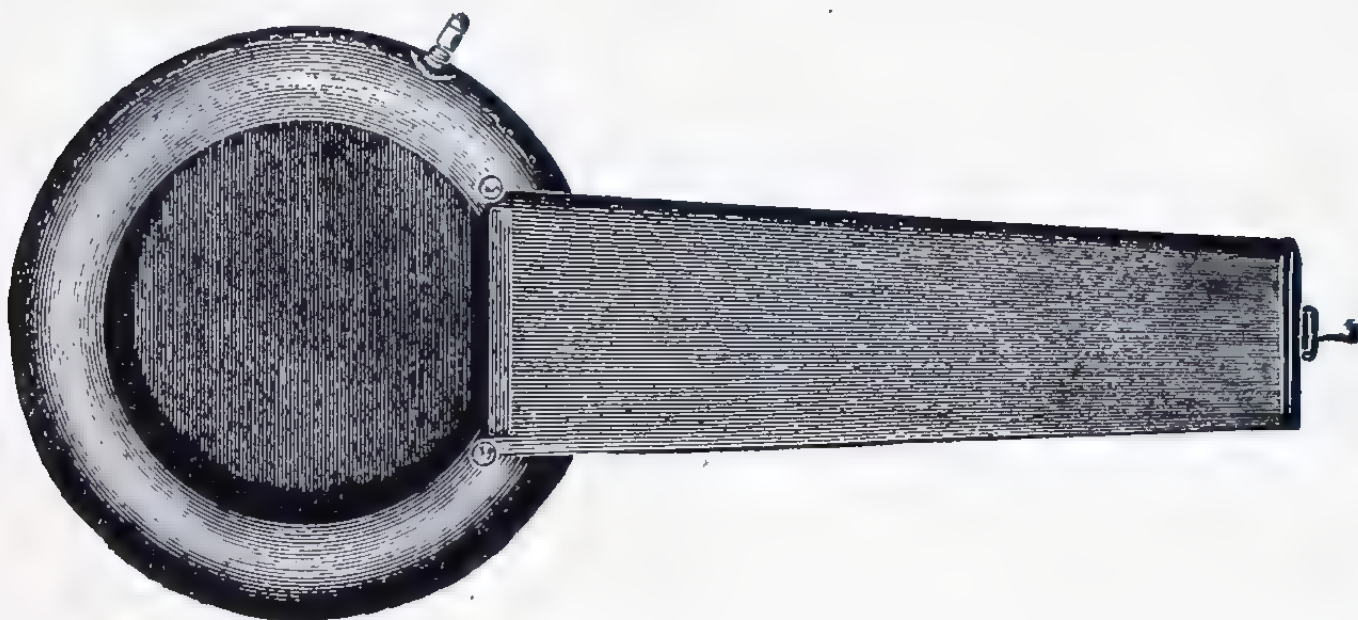
STANDARD SURGICAL INSTRUMENTS



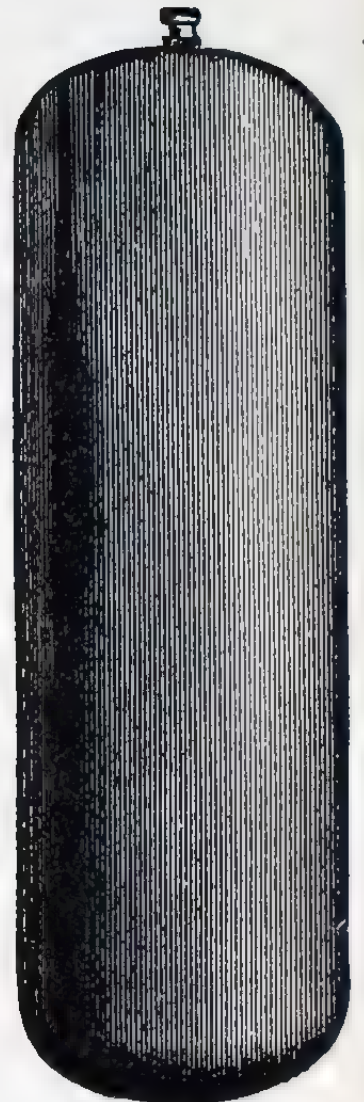
Complete Catalogue of Hospital Furniture and Equipment
Sent on Request



G-336 and 337, 341 and 342



G-338 and 339, 343 and 344



G-330

Surgical Sundries

Leg Holders

- *G-300 Edebohl's, jointed, plated clamps.
- *G-301 Edebohl's, jointed, bronzed clamps.
- *G-302 Solid Rod, plated clamps.
- *G-303 Solid Rod, bronzed clamps.

Stirrups

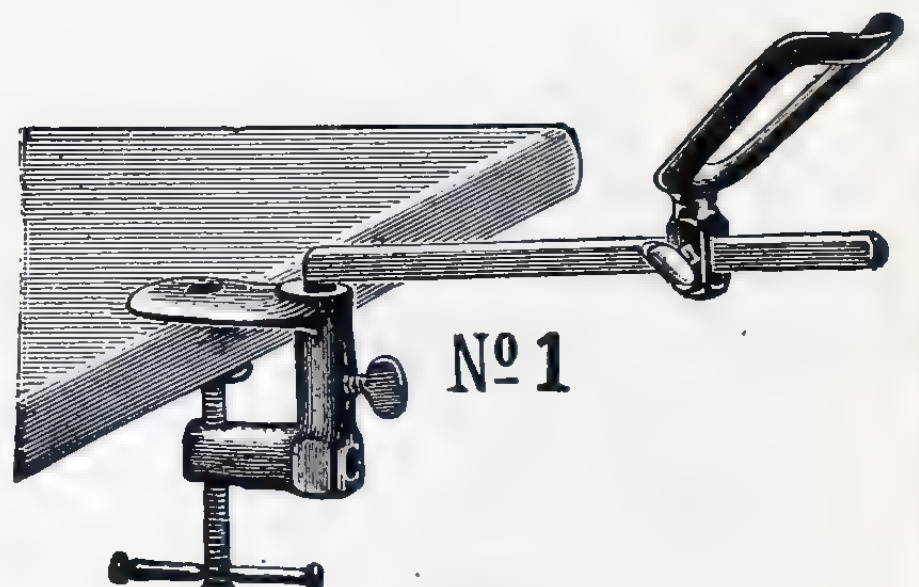
- G-305 Haslam's, plated clamps.
 - G-306 Haslam's, bronzed clamps.
 - *G-310 Morgan's, rotary, plated clamps.
 - *G-311 Morgan's, rotary, bronzed clamps.
- Circular of Morgan's Stirrups on Application.

Combination Leg Holders and Stirrups

- *G-315 Edebohl's, jointed leg holders, stirrups and plated clamps.
- *G-316 Edebohl's, jointed leg holders, stirrups and bronzed clamps.
- *G-317 Solid Leg Holders, stirrups and plated clamps.
- *G-318 Solid Leg Holders, stirrups and bronzed clamps.

Surgeon's Operating Cushion

- G-330 Edebohl's, kidney.



G-305-306

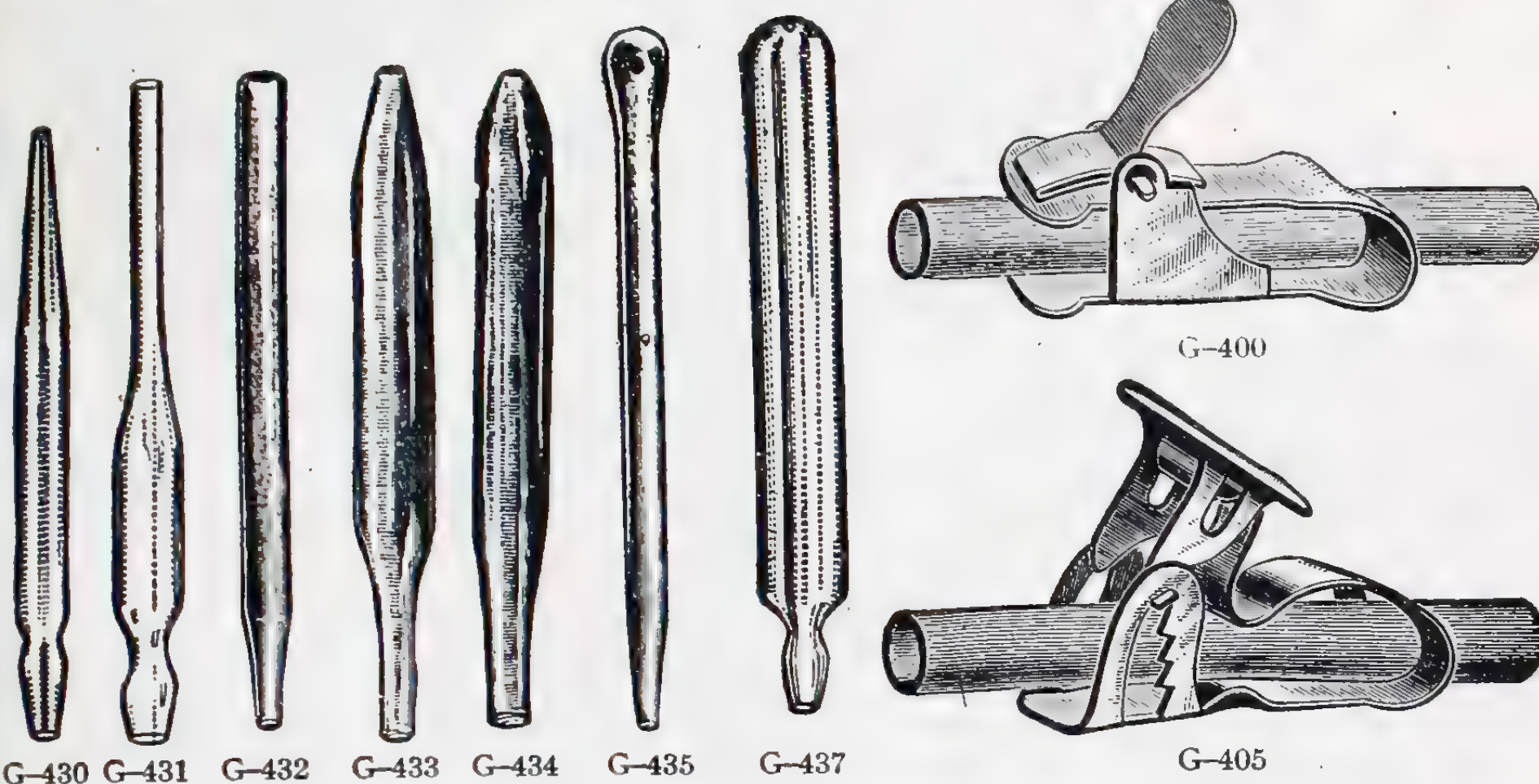
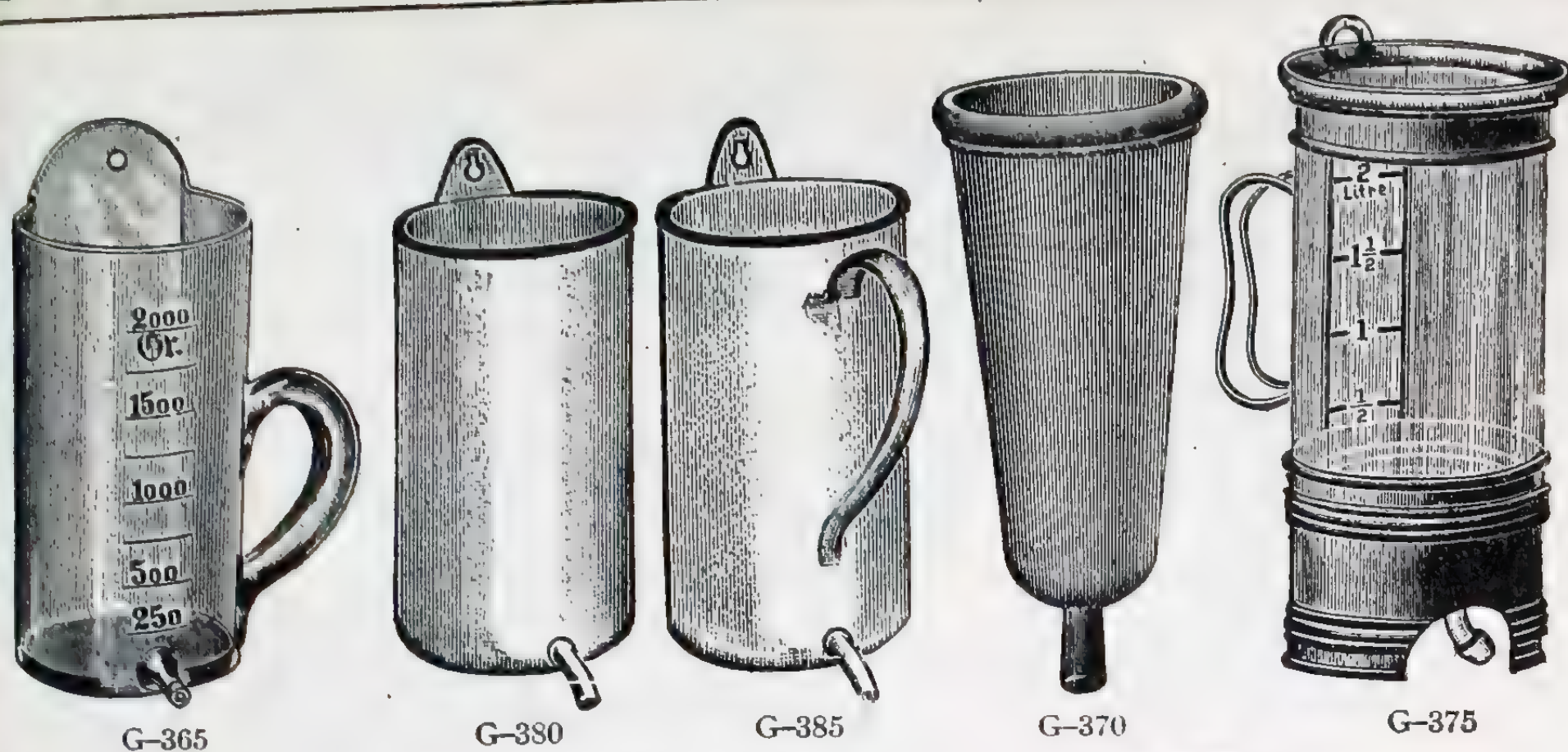
Kelly Operating Cushions Made from Finest Maroon Rubber

- *G-335 Perineal, 14 x 34 inches.
- G-336 General Operating, 20 x 44 inches.
- G-337 General Operating, 24 x 44 inches.
- G-338 General Operating, with open sleeve, 20 x 44 inches.
- G-339 General Operating, with open sleeve, 24 x 44 inches.

Kelly Operating Cushions Pure Gum, Cloth Inserted

Very light weight and serviceable. Each cushion is furnished with a compact water-proof carrying cover or pouch.

- *G-340 Perineal, 14 x 34 inches.
- G-341 General Operating, 20 x 44 inches.
- G-342 General Operating, 24 x 44 inches.
- G-343 General Operating, with open sleeve, 20 x 44 inches.
- G-344 General Operating, with open sleeve, 24 x 44 inches.



Irrigators, etc.

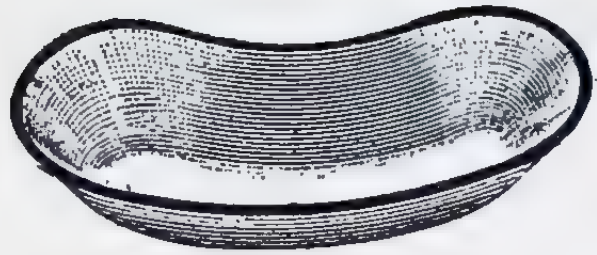
- *G-360 Irrigator, glass, graduated, without handle, 1000 grams, 2000 grams, 3000 grams.
- G-365 Irrigator, glass, graduated, with handle, 1000 grams, 2000 grams, 3000 grams.
- G-370 Irrigator, glass, conical form, $\frac{1}{2}$ gallon, 1 gallon, 2 gallons, 3 gallons.
- G-375 Irrigator, glass, with graduated metal frame, 1000 grams, 2000 grams, 3000 grams.
- G-380 Irrigator, white enameled steel ware, seamless, 1 quart, 2 quarts, 3 quarts, 4 quarts.
- G-385 Irrigator, white enameled steel ware, with handle, seamless, 1 quart, 2 quarts, 3 quarts, 4 quarts.

Irrigator Cut-offs

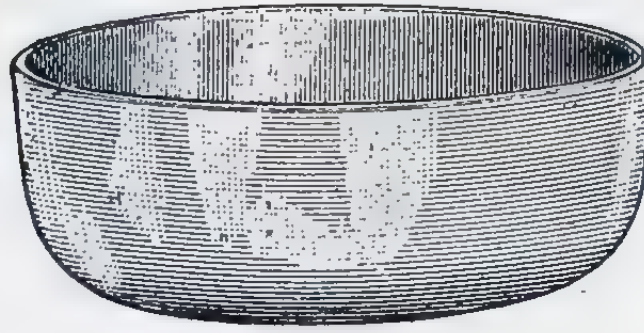
- G-400 American pattern, metal.
- G-405 American pattern, metal, with ratchet.
- *G-410 **Esmarch's**, hard rubber, with 2 tips.
- *G-415 **Valentine's**, metal, with shield.

Irrigator Tips

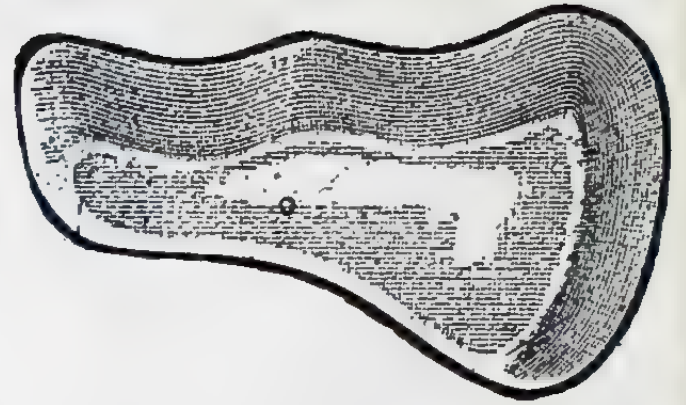
- G-430 Plain, glass.
- G-431 Conical, glass.
- G-432 Enema, glass.
- G-433 **Valentine's**, urethral, glass.
- G-434 **Valentine's**, urethral, glass.
- G-435 Vaginal, straight, glass
- *G-436 Vaginal, curved, glass.
- G-437 Vaginal, heavy, glass (also used for abdominal douching).



G-450-455



G-465-467



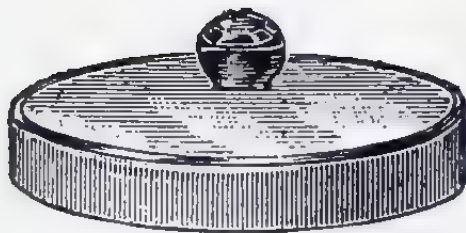
G-460



G-470



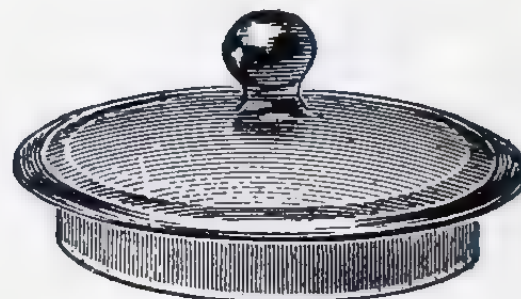
G-475



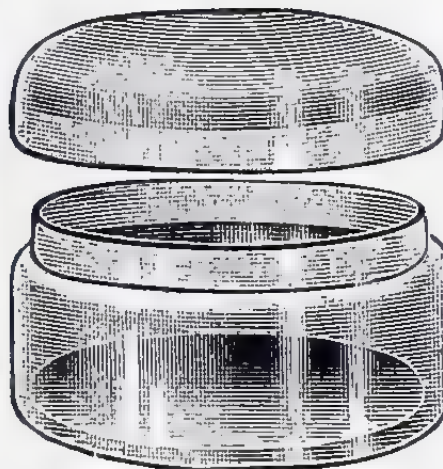
G-500



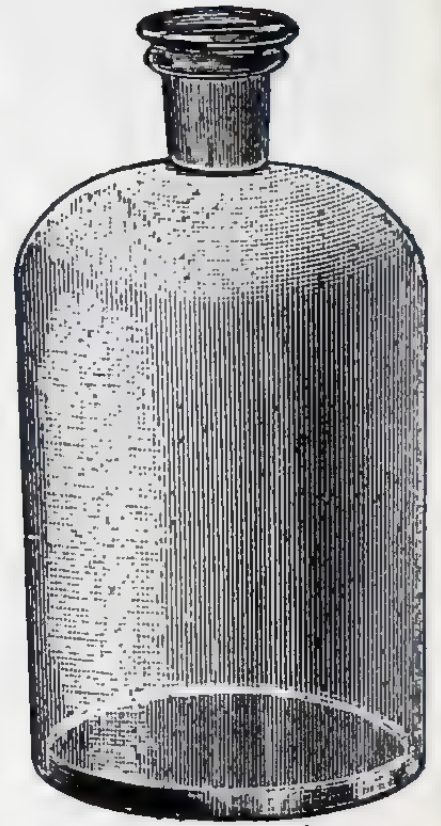
G-495



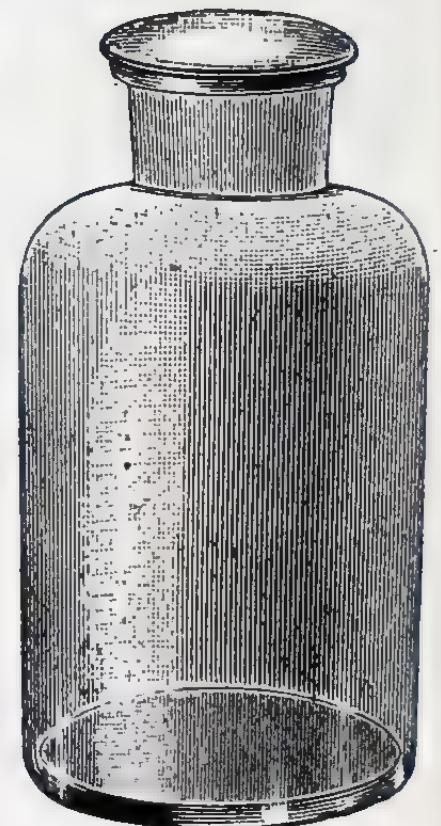
G-505



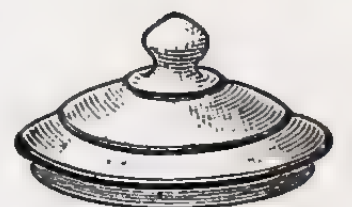
G-490



G-480



G-485



G-510

Basins, Bottles, Boxes, Jars

- G-450 Basin, dressing, glass, kidney shaped, 8 inches, 10 inches, 12 inches.
- G-455 Basin, dressing, white steel enamel ware, kidney shaped, 6 inches, 8 inches, 10 inches, 12 inches.
- G-460 Basin, dressing, white steel enamel ware, **Smith's** universal pattern.
- G-465 Basin, glass, crystal, 6 inches, 7½ inches, 9¾ inches, 11¾ inches, 13¾ inches.
- G-466 Basin, glass, blue, 6 inches, 7½ inches, 9¾ inches, 11½ inches, 13¾ inches.
- G-467 Basin, glass, ruby, 6 inches, 7½ inches, 9¾ inches, 11½ inches, 13¾ inches.
- G-470 Basin, white steel enamel ware, shallow, 8 inches, 10 inches, 12 inches, 14 inches, 16 inches.
- G-475 Basin, white steel enamel ware, deep form, 8 inches, 10 inches, 12 inches, 14 inches, 16 inches.
- G-480 Bottle, crystal, with narrow mouth, ground stopper, 1 gallon, 2 gallons, 3 gallons.
- G-485 Bottle, crystal, with wide mouth, ground stopper, 1 gallon, 2 gallons, 3 gallons.
- G-490 Box, glass, for needles, 3¼ inches.
- G-495 Box, white enameled steel, 2 x 3¼ inches, 2¼ x 4 inches.
- G-500 Jars, glass, crystal, fine, 4¾ x 4¾ inches, 6 x 6 inches, 8¼ x 8¼ inches.
- G-505 Jars, glass, crystal, with ground in, air-tight and dust-proof overlapping cover—height, inches: 2, 2½, 3¼, 4, 5 and 6; diameter, inches: 2, 2½, 3¼, 4, 5 and 6.
- G-510 Jars, white enameled steel, for dressings, 4¼ x 5 inches, 5½ x 6 inches, 6½ x 7 inches.



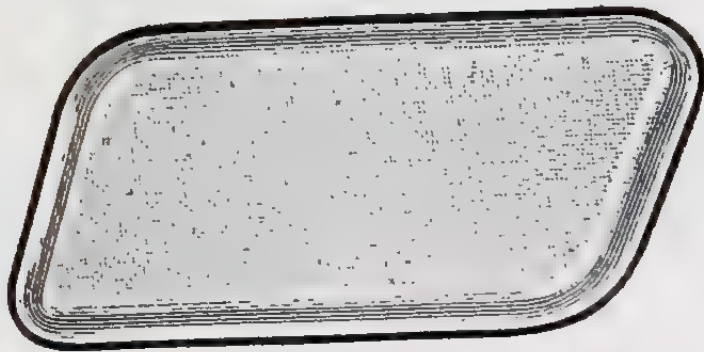
G-520



G-530



G-525



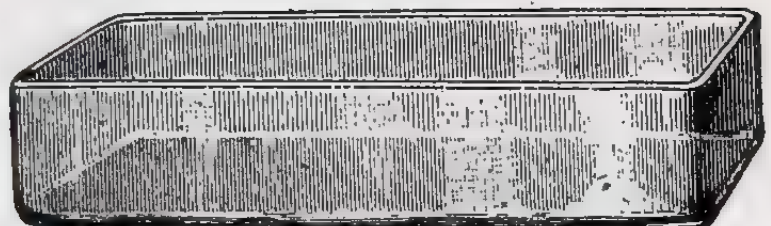
G-575



G-550



G-555



G-545

Buckets, Pitchers, Trays, etc.

G-520 Bucket, plain, white enameled steel ware, 12 $\frac{3}{4}$ quarts.

G-525 Bucket, white enameled steel ware, for soiled dressings, with perforated drain for separating dressings from the fluids.

G-530 Pitcher, white enameled steel ware, 2 quarts, 3 quarts, 4 quarts.

G-535 Sterilizer, white enameled steel ware, 16 inches long.

G-536 Sterilizer, white enameled steel ware, 18 inches long.

*G-540 Tray, glass, straight walls with glass cover, 15 x 3 x 4 inches.

*G-541 Tray, glass, long form, with knobbed cover, 12 x 2 $\frac{3}{4}$ inches.

G-545 Tray, glass, oblong form, crystal, straight walls, 6 $\frac{3}{4}$ x 4 $\frac{1}{4}$ x 1 $\frac{3}{4}$ inches, 9 x 4 $\frac{3}{4}$ x 2 inches, 10 $\frac{1}{2}$ x 6 $\frac{1}{2}$ x 2 $\frac{1}{4}$ inches, 12 x 7 x 2 $\frac{1}{4}$ inches, 13 $\frac{3}{4}$ x 8 $\frac{3}{4}$ x 2 $\frac{3}{4}$ inches, 15 $\frac{3}{4}$ x 9 $\frac{3}{4}$ x 3 inches.

G-550 Tray, white enameled steel ware, with cover, 15 $\frac{3}{4}$ x 3 x 2 $\frac{1}{2}$ inches.

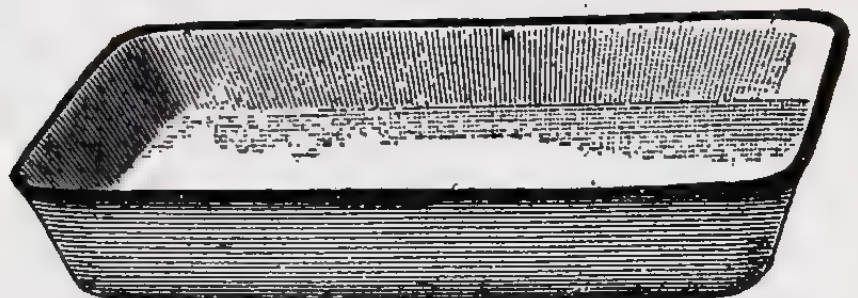
G-555 Tray, white enameled steel ware, narrow, shallow, 8 $\frac{1}{4}$ x 3 $\frac{1}{4}$ x 1 $\frac{1}{4}$ inches, 12 $\frac{1}{4}$ x 4 x 1 $\frac{1}{4}$ inches, 16 $\frac{1}{2}$ x 4 $\frac{1}{4}$ x 1 $\frac{1}{4}$ inches.

G-560 Tray, white enameled steel ware, with lip, 15 x 9 x 2 inches.

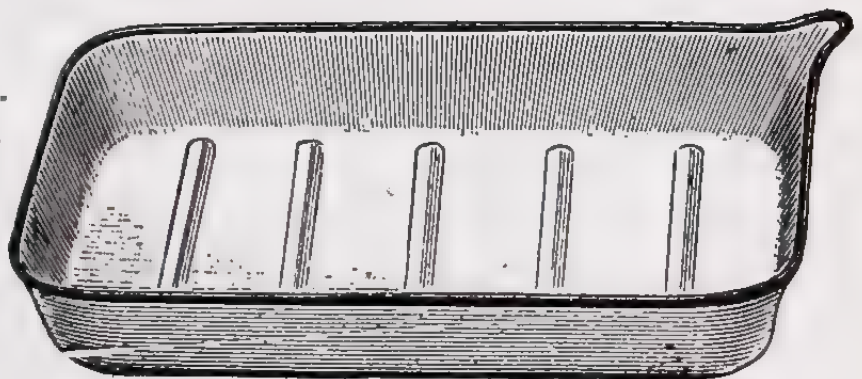
G-565 Tray, white enameled steel ware, deep form, without handles, sizes: 8 $\frac{3}{4}$ x 5 $\frac{1}{8}$ x 2 inches, 10 $\frac{1}{4}$ x 6 $\frac{1}{4}$ x 2 $\frac{1}{4}$ inches, 11 $\frac{3}{4}$ x 7 $\frac{1}{2}$ x 2 $\frac{1}{2}$ inches, 13 $\frac{1}{2}$ x 8 $\frac{1}{4}$ x 2 $\frac{3}{4}$ inches, 15 x 9 x 2 $\frac{3}{4}$ inches, 16 $\frac{1}{2}$ x 9 $\frac{1}{2}$ x 2 $\frac{3}{4}$ inches, 18 $\frac{1}{4}$ x 10 x 3 inches, 20 x 12 x 3 inches.

*G-570 Tray, white enameled steel ware, deep form, with handles, sizes: 10 $\frac{1}{4}$ x 6 $\frac{1}{4}$ x 2 $\frac{1}{4}$ inches, 13 $\frac{1}{2}$ x 8 $\frac{1}{4}$ x 2 $\frac{3}{4}$ inches, 16 $\frac{1}{2}$ x 9 $\frac{1}{2}$ x 2 $\frac{3}{4}$ inches, 20 x 12 x 3 inches, 11 x 7 $\frac{1}{4}$ x 2 $\frac{3}{8}$ inches, 14 $\frac{1}{4}$ x 8 $\frac{3}{4}$ x 2 $\frac{3}{4}$ inches, 17 $\frac{1}{2}$ x 9 $\frac{3}{4}$ x 2 $\frac{3}{4}$ inches.

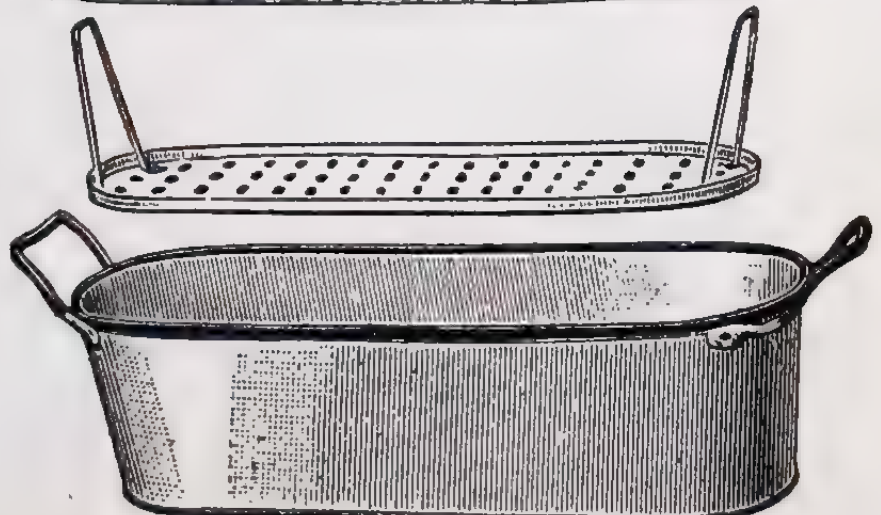
G-575 Tray, white enameled steel ware, oblong, 9 x 12 inches, 12 x 16 inches, 15 x 20 inches, 18 x 22 inches.



G-565

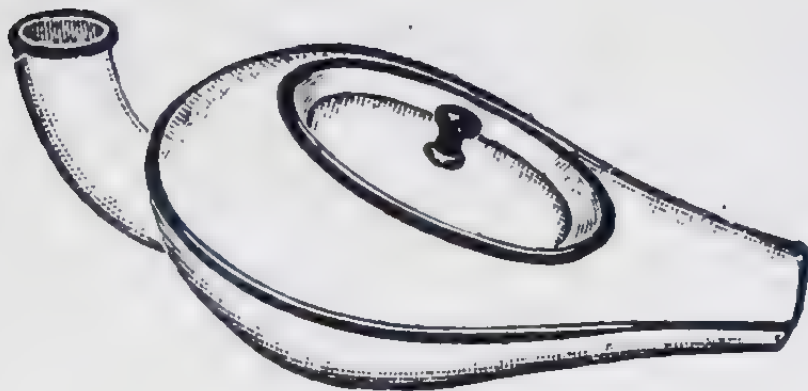


G-560

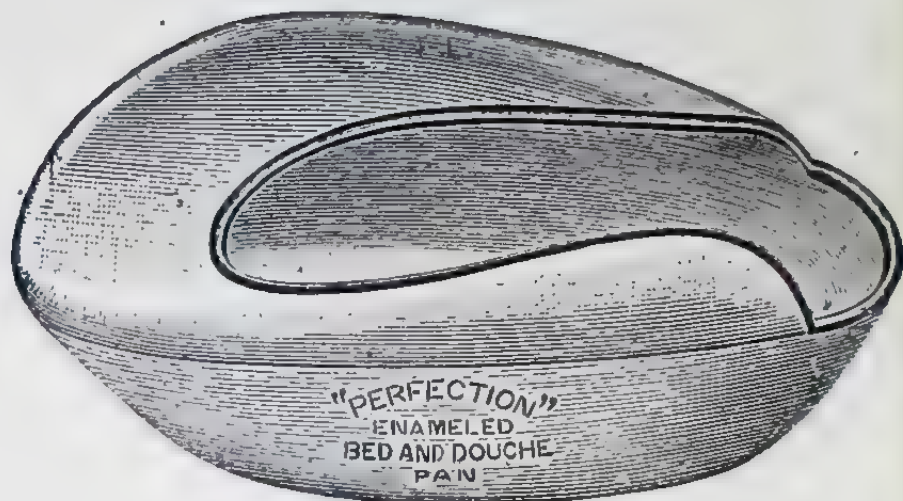


G-535-536

STANDARD SURGICAL INSTRUMENTS



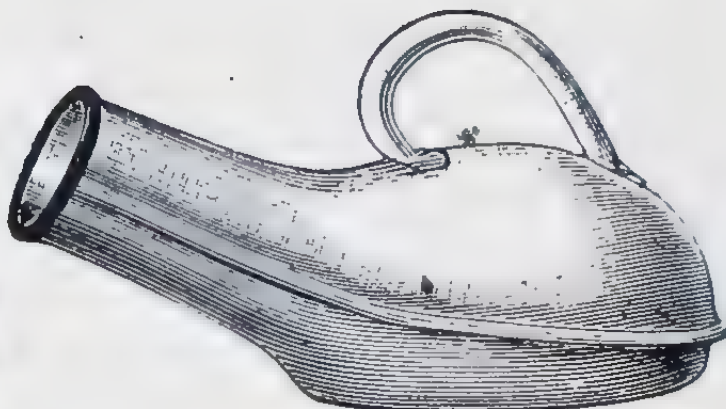
G-605



G-614-615



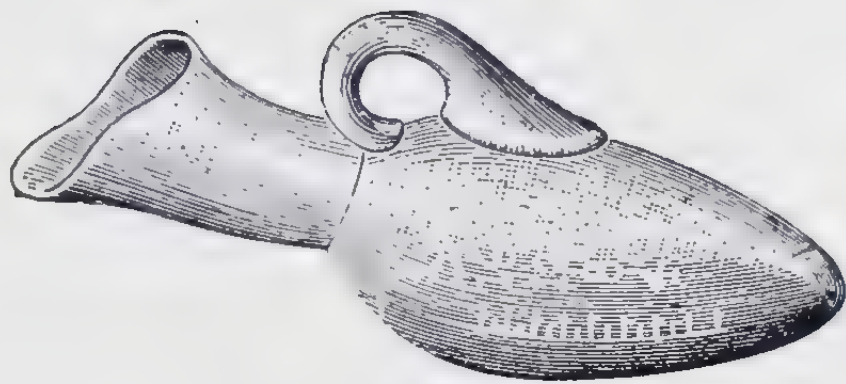
G-680



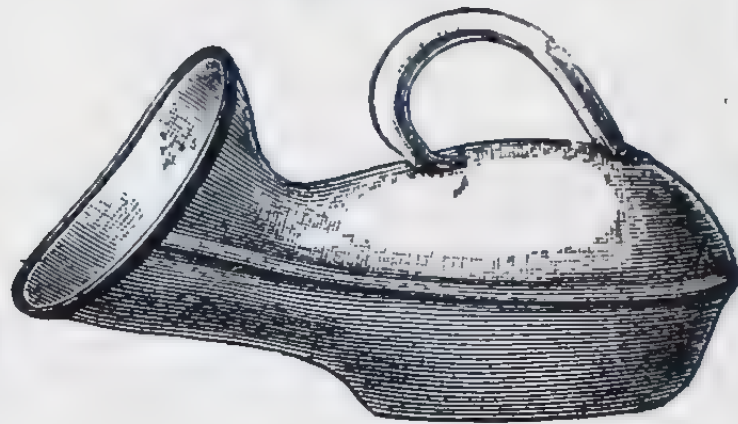
G-690



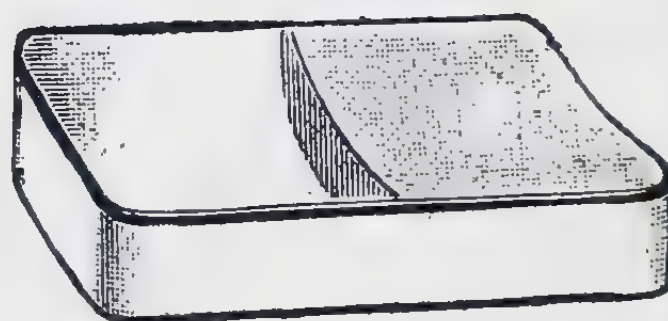
G-640



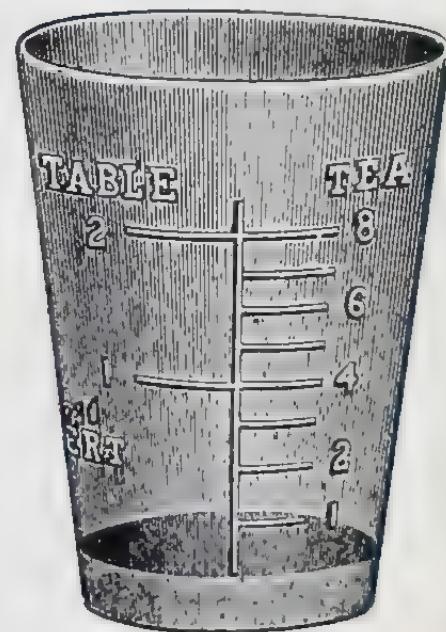
G-686



G-695



G-625



G-660

Sick Room Sundries

Bed Pans

- *G-600 Bed Pan, Eureka, porcelain.
- G-605 Bed Pan, French slipper pattern, white steel enameled ware.
- *G-610 Bed Pan, Perfection, porcelain, No. 1, standard size.
- *G-611 Bed Pan, Perfection, porcelain, No. 2, small size.
- *G-612 Bed Pan, Perfection, gray enamel, No. 3, standard size.
- *G-613 Bed Pan, Perfection, gray enamel, No. 5, small size.
- G-614 Bed Pan, Perfection, white enamel, No. 4, standard size.
- G-615 Bed Pan, Perfection, white enamel, No. 6, small size.

Douche Pans

- *G-620 Douche Pan, Ideal, white enamel.
- G-625 Douche Pan, Standard, white enameled steel ware.

Feeding and Drinking Cups

- G-640 Ideal, glass.
- *G-645 Simplex, No. 10, porcelain.
- *G-646 Simplex, No. 12, white steel enameled ware.

Graduates

- G-650 Glass, graduated in ounces, 1 ounce, 2 ounces, 4 ounces, 8 ounces, 16 ounces.
- *G-655 Glass, graduated in metric and ounces, 30 cc., 60 cc., 125 cc., 250 cc., 500 cc., 1000 cc.

Medicine Glass

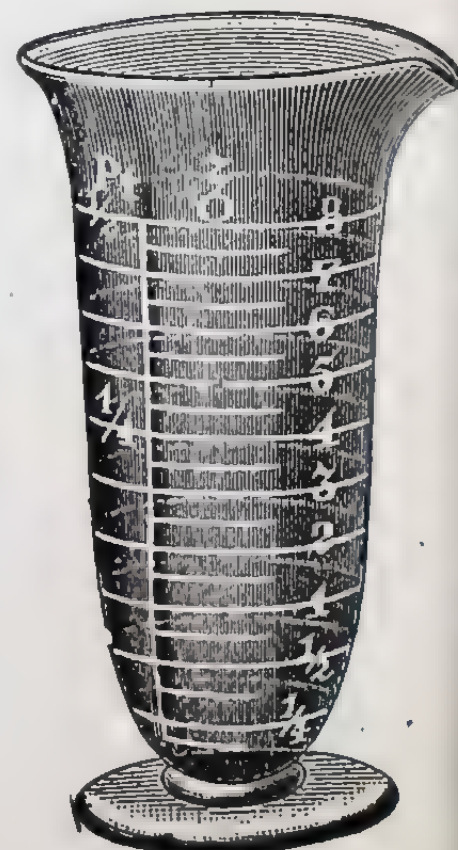
- G-660 Glass, moulded.

Spit Cups

- *G-665 Spit Cup, white enameled steel ware, hinged.
- *G-666 Spit Cup Filler, made of fluted paper.
- *G-670 Spit Cup, Simplex, paper, with hinged cover.
- *G-671 Spit Cup Holder, Simplex, wire.

Urinals

- G-680 Male, glass, plain.
- *G-681 Male, glass, graduated.
- *G-685 Female, glass, plain.
- G-686 Female, glass, graduated.
- G-690 Male, white steel enameled ware.
- G-695 Female, white steel enameled ware.



G-650



No. 6A

G-766



No. 6

G-765



No. 3

G-751



No. 3A

G-752



No. 23A

G-763



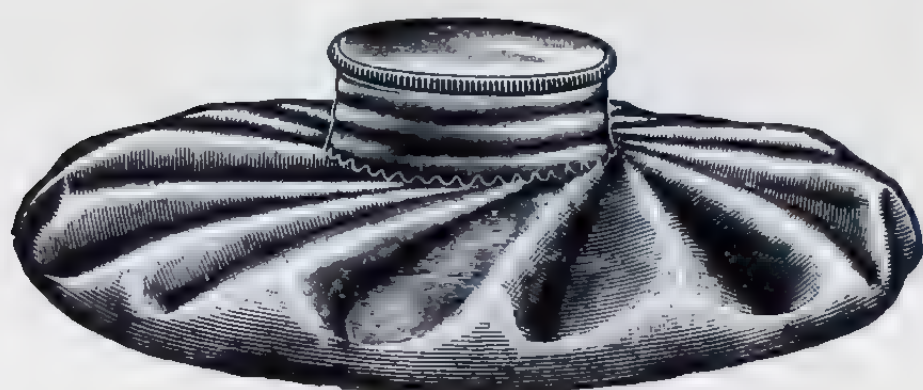
No. 5

G-755

Rubber Goods for Invalids

Pure Rubber Urinals

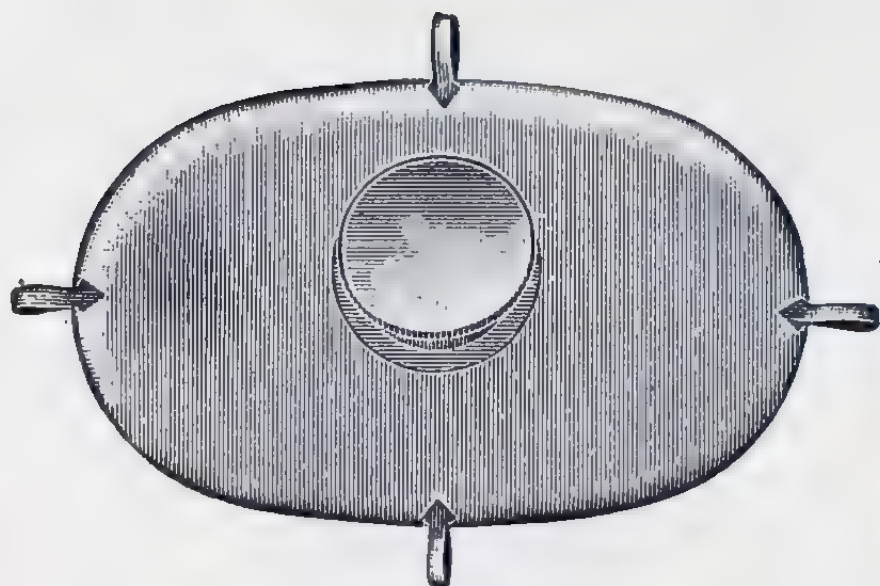
- *G-750 Male, day, No. 1.
 - G-751 Male, day, No. 3.
 - G-752 Male, day, No. 3A.
 - *G-753 Male, day, No. 4.
 - *G-754 Male, day, No. 4A.
 - G-755 Male, day, No. 5.
 - *G-756 Male, day and night, No. 5A.
 - *G-757 Male, day and night, No. 7A.
- This urinal has a pneumatic inflatable collar for the reception of the penis, which can be inflated when used at night to prevent back leakage and deflated when worn during the day.
- *G-758 Male, day, No. 11, child's size, same style as No. 1.
 - *G-759 Male, day, No. 13, child's size, same style as No. 3.
 - *G-760 Male, day, No. 13A, child's size, same style as No. 3A.
 - *G-761 Male, day, No. 15, child's size, same style as No. 5.
 - *G-762 Male, day and night, No. 23.
 - G-763 Male, day and night, No. 23A.
 - *G-764 Female, day, No. 2.
 - G-765 Female, day, No. 6.
 - G-766 Female, day and night, No. 6A.
 - *G-767 Female, day, No. 8A, with flexible, soft metal rubber covered rim that can be bent into shape to fit any perineum. The most satisfactory female urinal made.
 - *G-768 Female, day, No. 16, child's size, same style as No. 6.
 - *G-769 Female, day and Night, No. 16A, child's size, same style as No. 6A.



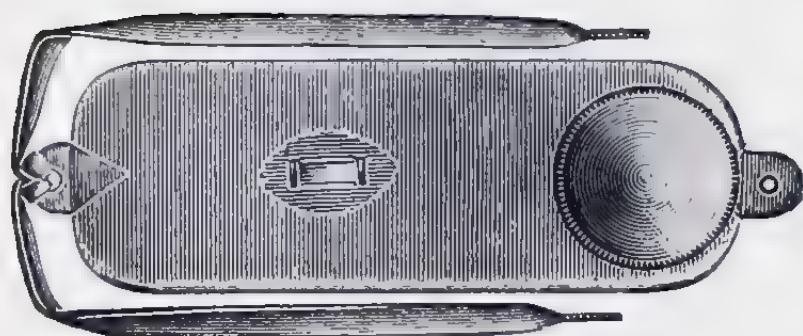
G-800



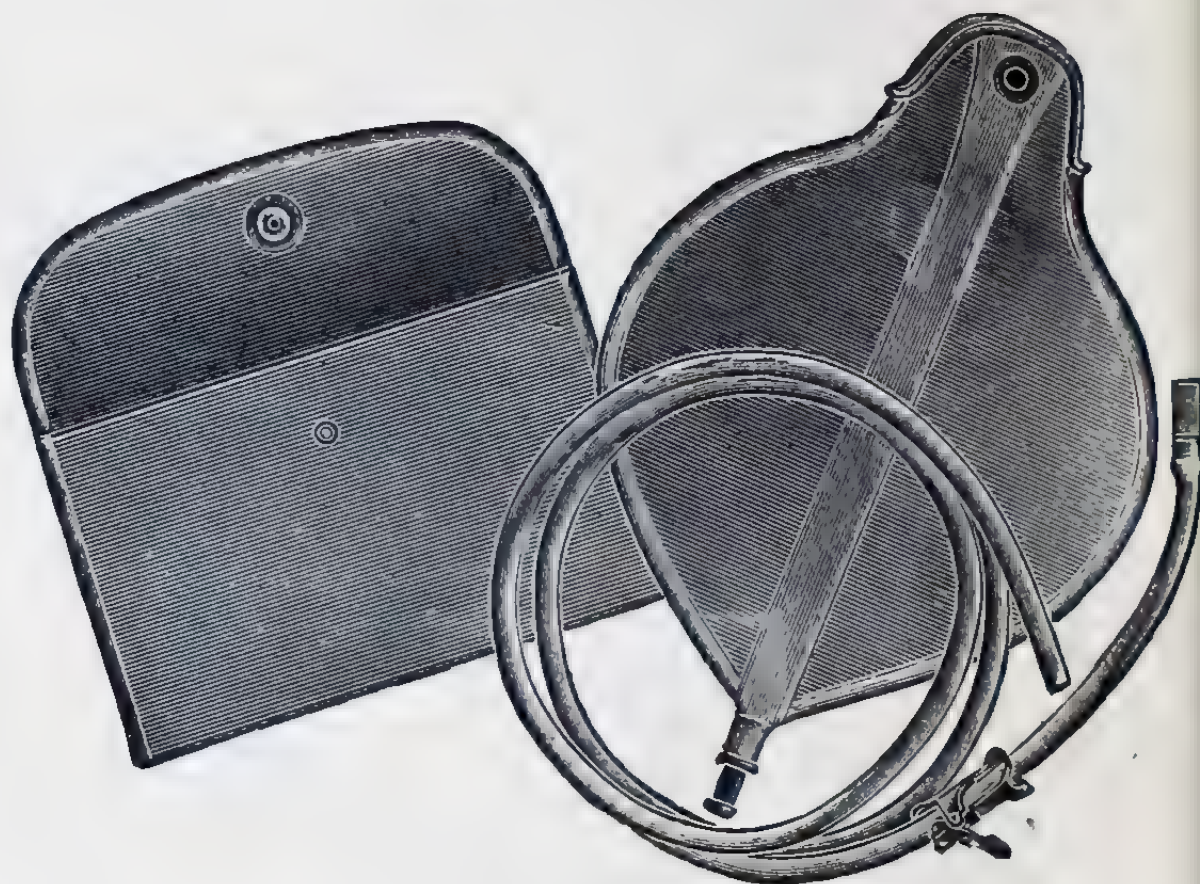
G-801



G-802-803-804



G-807



G-840

Rubber Goods for Invalids

Ice Bags, Water Bottles and Fountain Syringes

- G-800 Ice Bag, durable, double coated, cloth inserted, pure gum outside, white rubber inside, screw cap, 6 inches, 9 inches, 12 inches.
- G-801 Ice Bag, pure gum, all rubber, screw cap, soft and flexible, 9 inches.
- G-802 Ice Bag, oval, pure gum, cloth inserted, screw cap, 8 x 11 inches.
- G-803 Ice Bag, oval, pure gum, all rubber, screw cap, 8 x 11 inches.
- G-804 Ice Bag, oval, maroon, all rubber, moulded in one piece.
- *G-805 Ice Bag, Sprague's, mastoid.
- *G-806 Ice Bag, plain, pure gum, all rubber, 9 x 3 $\frac{1}{4}$ inches, 10 $\frac{3}{4}$ x 3 $\frac{5}{8}$ inches, 10 x 5 $\frac{1}{4}$ inches, 11 $\frac{1}{8}$ x 5 $\frac{3}{4}$ inches.
- G-807 Ice Bag, Spinal, pure gum, 10 inches, 12 inches, 14 inches, 16 inches, 18 inches, 20 inches, 22 inches.
- *G-808 Ice Bag, Throat, pure gum, 7 inches, 8 inches, 9 inches, 10 inches, 11 inches.
- *G-809 Ice Bag, Throat, chocolate rubber, cloth inserted, screw cap, flexible.
- *G-810 Ice Bag, Eye, pure gum, screw cap, for both eyes.
- *G-815 Ice Cap, Davol's, helmet shape, pure gum, screw cap; small, medium and large.
- *G-820 Water Bottle, Throat, chocolate rubber, cloth inserted, will adjust itself to any size neck and retain its position.
- *G-825 Hot Water Bottle, made of best white rubber, with reinforced seams; 2 quarts, 3 quarts, 4 quarts.
- *G-826 Hot Water Bottle, made of best maroon rubber with extra heavy reinforced seams; 2 quarts, 3 quarts, 4 quarts.
- *G-827 Hot Water Bottle, made of best chocolate colored rubber, pure Para gum, moulded in one piece, fully guaranteed; 2 quarts, 3 quarts.
- *G-828 Hot Water Bottle, made of best tan rubber, cloth inserted, very strong and very light; 2 quarts, 3 quarts, 4 quarts.
- *G-829 Hot Water Bottle, made of best white or slate colored rubber, covered with flannel; 2 quarts, 3 quarts, 4 quarts.
- *G-835 Fountain Syringe, rapid flow, made of white rubber, complete with tubing, cut-off and 3 hard rubber rapid flow pipes; 1 quart, 2 quarts, 3 quarts.
- *G-836 Fountain Syringe, rapid flow, made of best maroon rubber, complete with tubing, cut-off and 3 hard rubber rapid flow pipes; 1 quart, 2 quarts, 3 quarts.
- G-840 Fountain Syringe, Surgeon's, pure gum, with waterproof case for carrying. Complete with tubing and cut-off only. No pipes are furnished with this syringe. Can be used with any slip pipe; 2 quarts, 3 quarts, 4 quarts.
- *G-845 Fountain Syringe and Hot Water Bottle, made of best white rubber compound, reinforced seams, complete with screw plug, for hot water bottle, fitting any tubing with cut-off and 3 hard rubber rapid flow pipes; 2 quarts, 3 quarts, 4 quarts.
- *G-846 Fountain Syringe and Hot Water Bottle, made of best maroon rubber compound, reinforced seams, complete with screw plug for hot water bottle, fitting and tubing with cut-off and 3 hard rubber rapid flow pipes; 2 quarts, 3 quarts, 4 quarts.



G-855



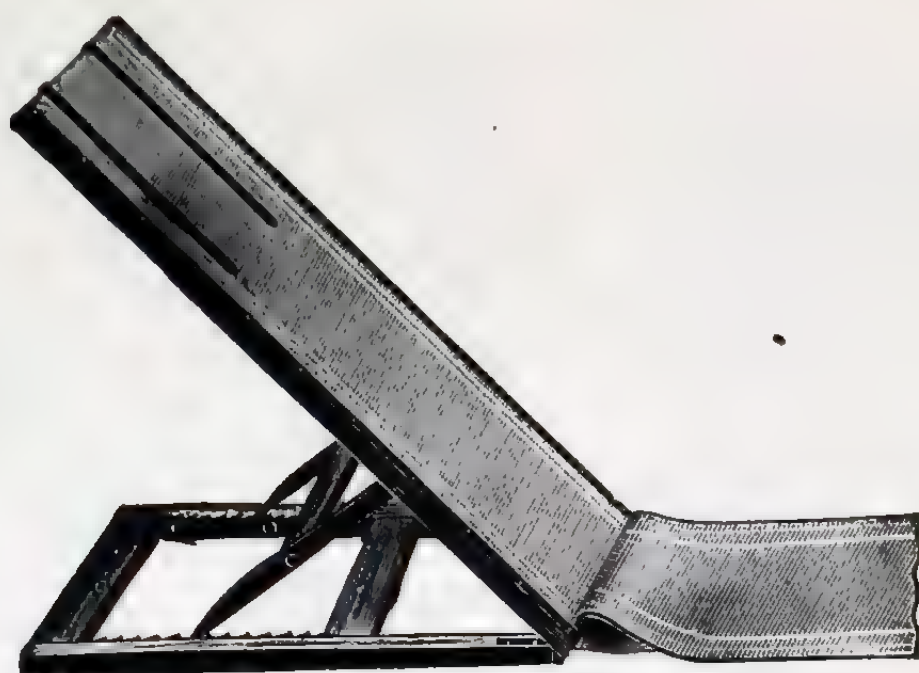
G-850



G-870-875



G-865



G-900



G-920

Rubber Goods and Sundries for Invalids

Pneumatic Air Goods

- G-850 Air Beds, 32 x 80 inches, 42 x 80 inches, 52 x 80 inches.
- *G-851 Air Bed, Pneumatic, 36 x 75 inches, 42 x 75 inches.
- G-855 Water Bed, 24 x 36 inches, 32 x 80 inches, 42 x 80 inches, 52 x 80 inches.
- G-860 Air Cushion, chair, hospital pattern, 17½ inches.
- G-865 Air Cushion, chair, horseshoe shape, 14 inches, 16 inches.
- G-870 Air Cushion, Invalid, white or slate colored rubber, cloth insertion, 8 inches, 10 inches, 12 inches, 14 inches, 16 inches, 18 inches.
- G-875 Air Cushion, Invalid, light maroon rubber, 8 inches, 10 inches, 12 inches, 14 inches, 16 inches, 18 inches.

Rubber Sheeting

- *G-880 Black, coated on one side, 36 inches, 45 inches, 54 inches.
- *G-881 Black, coated on both sides, 36 inches, 45 inches, 54 inches.
- *G-882 White, coated on one side, 36 inches, 45 inches, 54 inches.
- *G-883 White, coated on both sides, 36 inches, 45 inches, 54 inches.
- *G-884 Tan, coated on one side, 36 inches, 45 inches, 54 inches.
- *G-885 Tan, coated on both sides, 36 inches, 45 inches, 54 inches.

Back Rests

- G-900 Back Rest, varnished, covered with a good quality of linen.
- G-901 Back Rest, varnished, covered with duck or striped material.

Bedside Tables

- G-920 White Enameled Stand, with **oak top**, 18 x 24 inches, adjustable to height and tilt.
- *G-925 White Enameled Stand, with **porcelain enameled top**, 16 x 24 inches, adjustable to height and tilt.



G-950-952



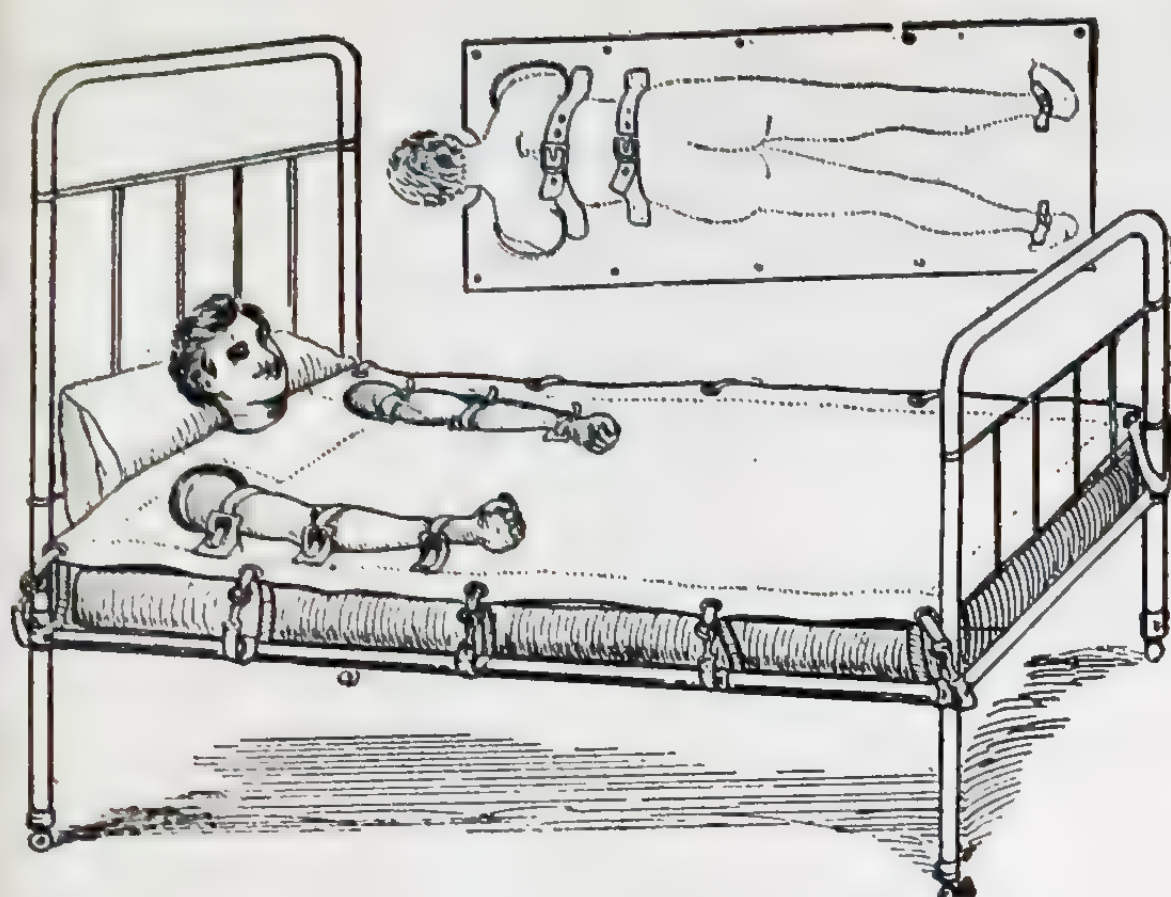
G-960-962

Invalid Rolling Chairs

- G-950 Reclining Rolling Chair, with one piece leg rest, large swivel rear wheel, hand rims on large wheels, **steel rim tires**, narrow seat or wide seat.
- G-951 Reclining Rolling Chair, same as G-950, but with $\frac{3}{4}$ **inch rubber tires**.
- G-952 Reclining Rolling Chair, same as G-950, but with **1 inch rubber tires**.
- G-960 Reclining Rolling Chair, same as G-950, but with two piece or divided adjustable leg rest, **steel rim tires**.
- G-961 Reclining Rolling Chair, same as G-960, but with $\frac{3}{4}$ **inch rubber tires**.
- G-962 Reclining Rolling Chair, same as G-960, but with **1 inch rubber tires**.

When ordering specify whether narrow seat or wide seat is wanted.

Catalogue of a complete line of invalid rolling chairs sent on request



G-1000



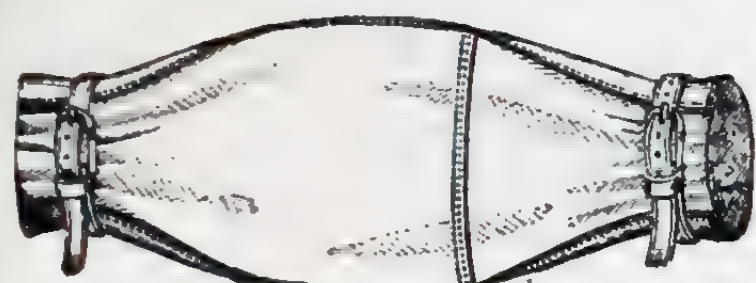
G-1045



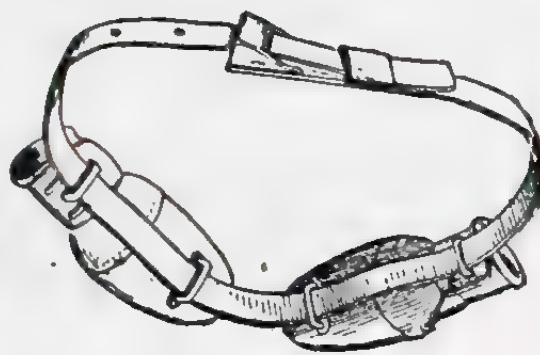
G-1005



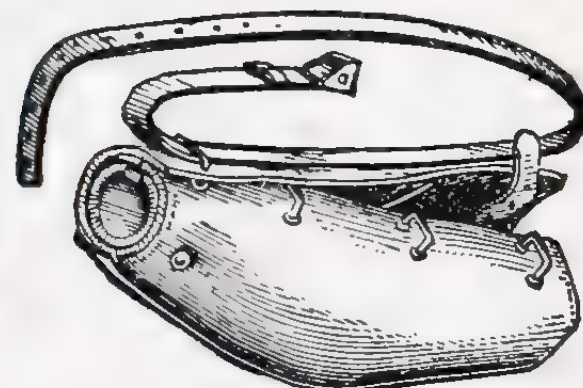
G-1030



G-1010



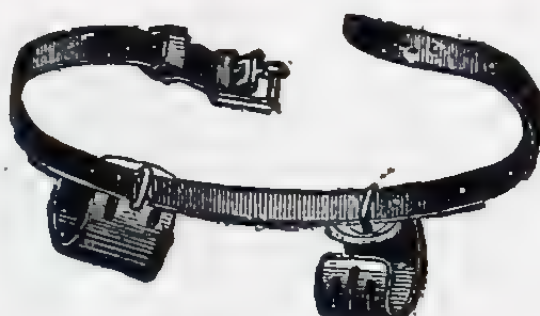
G-1020



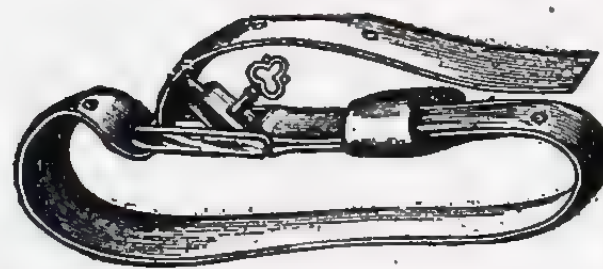
G-1025



G-1015



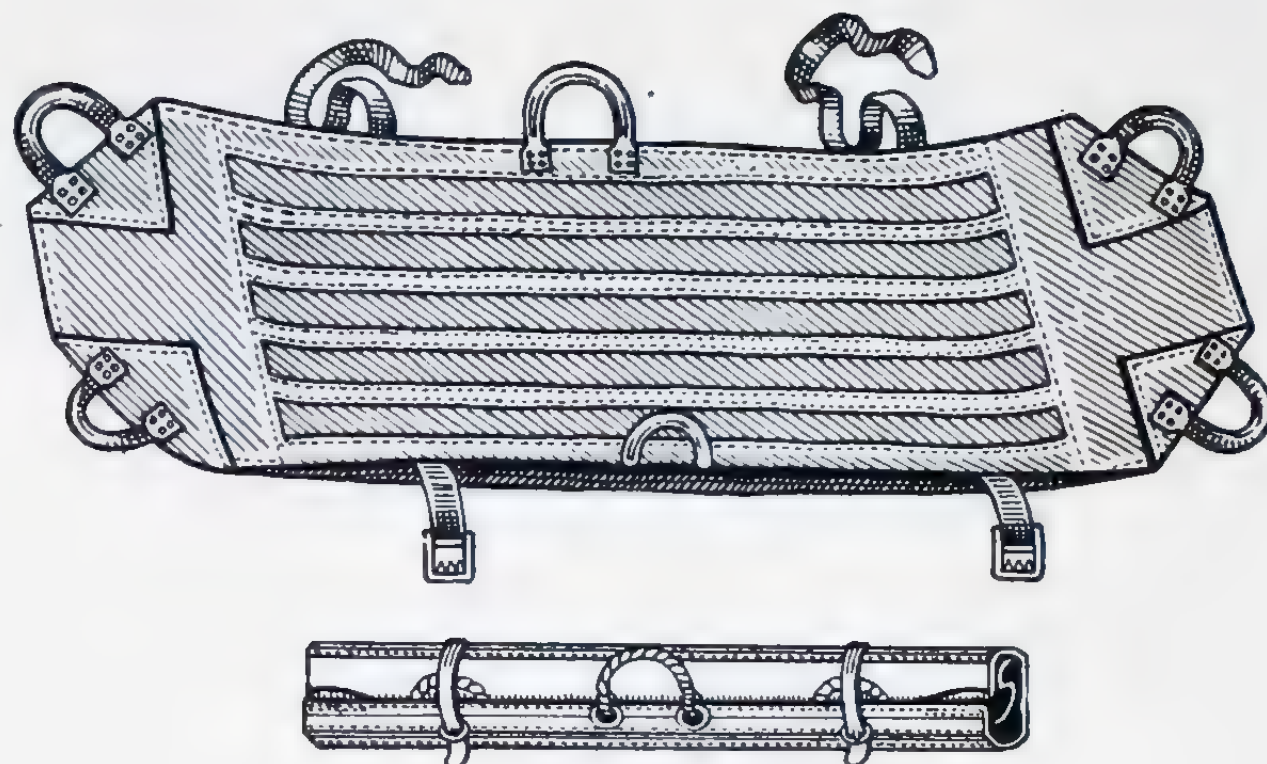
G-1040



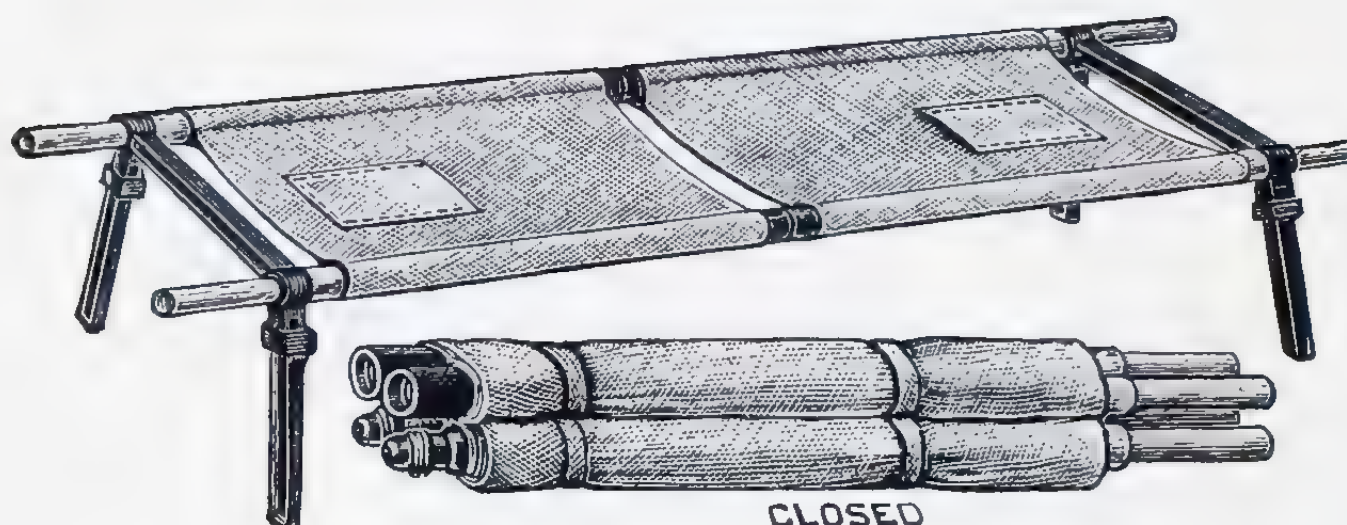
G-1035

Humane Restraint Appliances

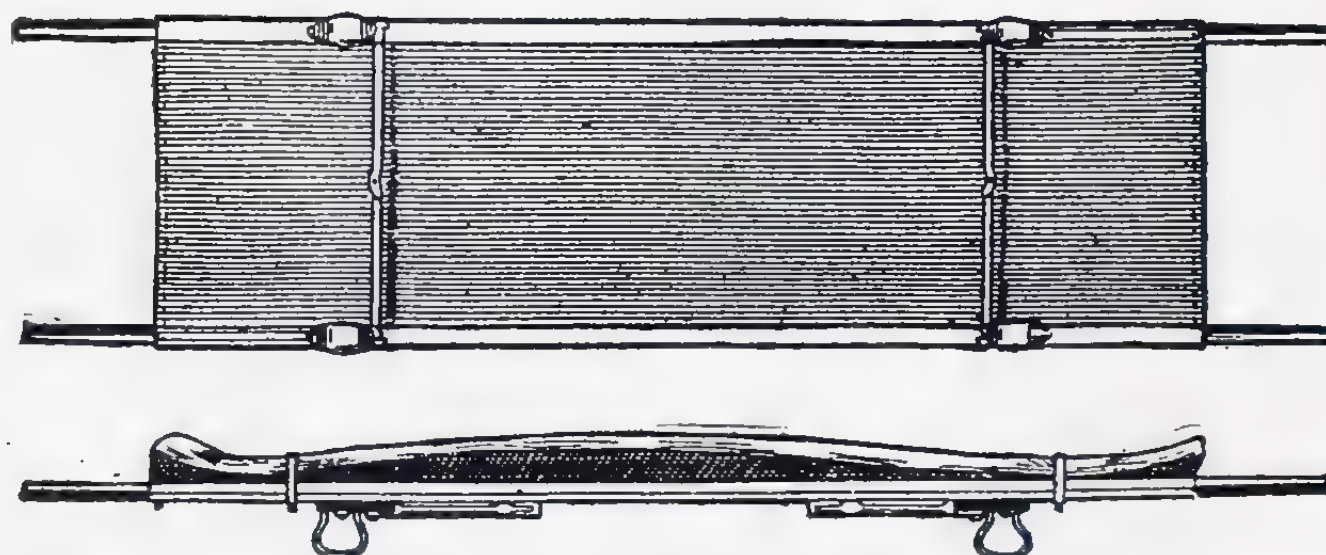
- G-1000 Humane Restraint Sheet, can be attached to any size bed, made of heavy duck, quilted at vital points, heavy webbing straps lined with canton flannel to prevent chafing.
- G-1005 Canvas Mitts, with waist strap.
- G-1010 Canvas Muff, with waist strap.
- G-1015 Leather Anklets, with large buckles.
- G-1020 Leather Mitts, with waist strap and lock buckle.
- G-1025 Leather Muff, with waist strap and lock buckle.
- G-1030 Leather Sole, Buckle and Strap, ready for attachment.
- G-1035 Leather Waist Strap, with improved lock buckle.
- G-1040 Leather Wristlets, with waist strap and buckle.
- G-1045 Straight Jacket, made of very heavy canvas with heavy straps and buckles, sleeves 72 inches long, to admit of their being wrapped around the patient securely; short and long.
- *G-1050 Straight Jacket, short, plain.
- *G-1055 Straight Jacket, long, plain.



G-1060-1061



G-1065



G-1070

Stretchers

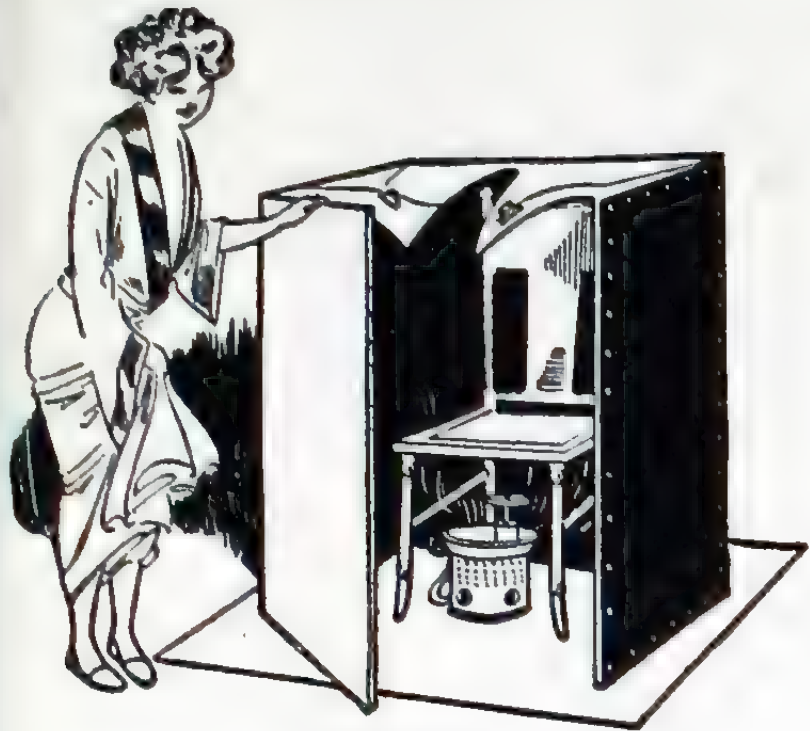
G-1060 Reeves' flexible, size, open, 76 x 26 inches, rolled up for transportation, 60 x 6 inches.

G-1061 Reeves' flexible, same as above but with canvas cover bag.

The Reeves' stretcher owing to its flexibility can be used where rigid stretchers are useless, in mines, shafts, on winding stairs, Pullman cars, etc.

G-1065 Pilling's portable, size, open, 88 x 24 inches, rolled up for transportation, 44 x 6 x 7 inches

G-1070 U. S. Army Model, folding. This stretcher folds up without the removal of any part.



G-1080-1085

Folding Bath Cabinets

G-1080 Steel frame, drill cover, rubber lined, with heater.

G-1085 Steel or wood frame, covered and lined with heavy material, with improved heater.

Descriptive circular sent on request.

Section "H"



Artificial Limbs

Deformity Apparatus

Fracture Apparatus

Splints

Splint Material

Elastic Hosiery

Abdominal Supporters

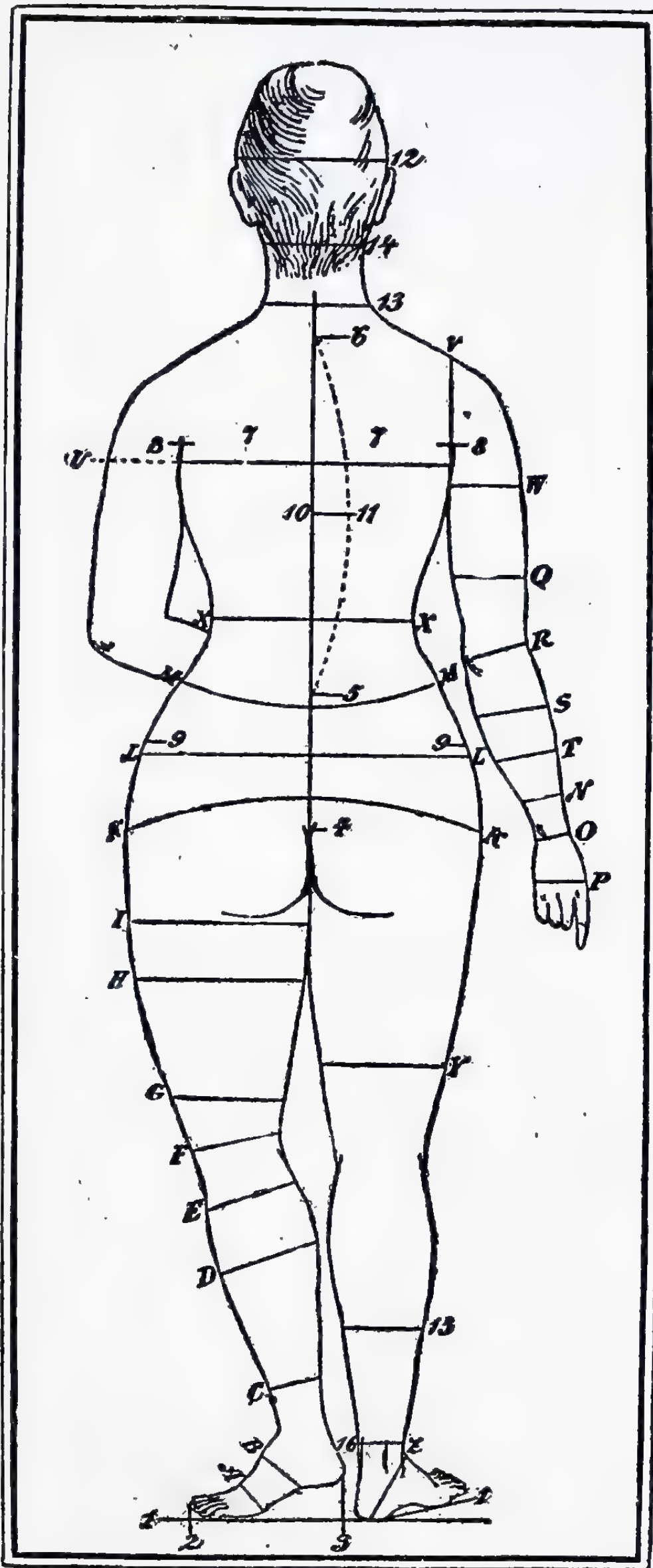
Crutches

Trusses

Suspensories, Etc.

Orthopedic Apparatus

DIAGRAM FOR ORTHOPEDIC MEASUREMENTS



Explanation of Letters and Figures

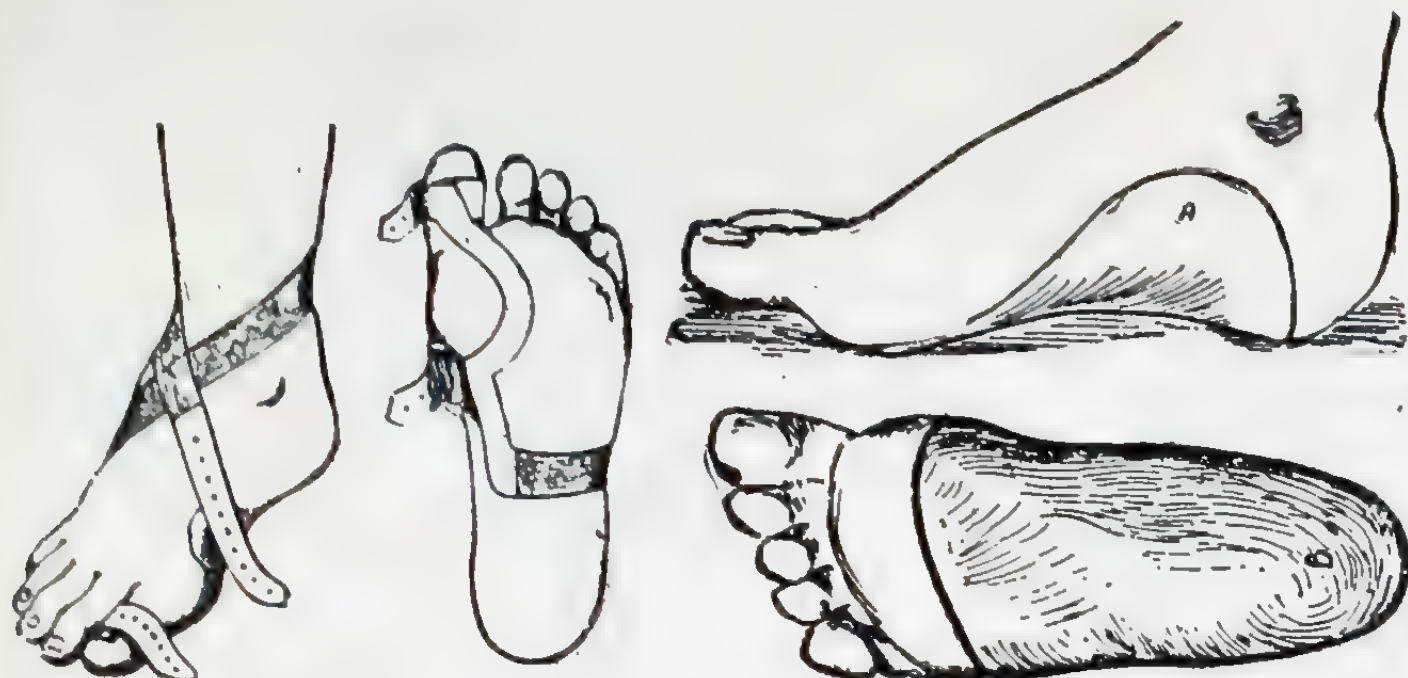
- A Ball of foot.
- B Instep.
- C Above ankle.
- D Calf.
- E Upper calf.
- F Knee.
- G Above knee.
- H Upper third of thigh.
- I Thigh at perinaeum.
- K Trochanter major.
- L Circumference at pelvis.
- M Circumference at umbilicus.
- N Forearm above wrist.
- O Wrist.
- P Circumference of hand.
- Q Arm above elbow.
- R Arm at elbow.
- S Upper forearm.
- T Middle forearm.
- U Circumference of chest.
- V Circumference under axilla and over shoulder.
- W Upper arm.
- X Circumference of waist.
- Y Lower third of thigh.
- Z Circumference heel and instep.
- 1 Sole of foot.
- 2 to 3 Length of foot.
- 4 Sacro-lumbar articulation.
- 5 First vertebra involved (in sketch).
- 6 Last vertebra involved (in sketch).
- 7-7 Centers of scapulae.
- 8-8 Axillae.
- 9 Crest of ilium.
- 10 to 11 Extent of curvature
- 12 Circumference of head.
- 13 Vertebra prominens.
- 14 Base of skull.
- 15 Leg below calf.
- 16 Ankle.

MEASUREMENTS FOR SHOES

If we are to furnish shoes for deformity apparatus, send the following measurements:

- 1 Trace outline of foot on paper,
- 2 Length of foot (2 to 3).
- 3 Circumference above ankle.
- 4 Circumference at ankle.
- 5 Circumference of heel and instep (Z).
- 6 Circumference at instep (B).
- 7 Circumference at ball of foot (A).
- 8 Circumference at base of little toe.
- 9 State if for right, left, or both feet.

If a pair of shoes is wanted, send measurements for both feet.



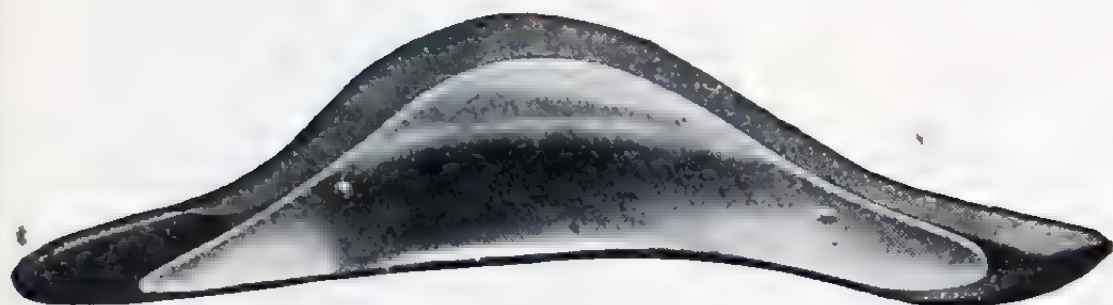
H-15

H-35

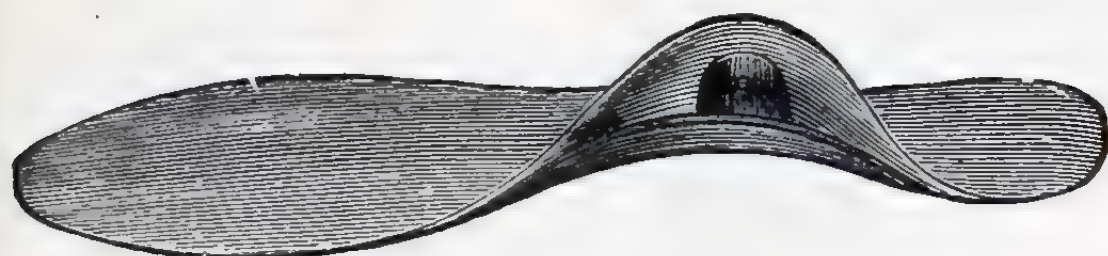
H-10



H-20



H-25



H-30



H-50



H-40



H-45

Orthopedic Apparatus

*H- 5 Apparatus for bunions, **Bigg's**.

H-10 Apparatus for bunions, **London's**.

H-15 Apparatus for bunions, **Seseman's**.

When ordering bunion apparatus mention size of shoe, state whether brace is for right or left foot, send outline drawing of naked foot, and circumference of large toe and of instep.

H-20 Apparatus for overriding or hammer toes. When ordering send tracing of foot, circumference of ball of foot and of instep.

H-25 Arch Instep Support, German silver spring, sole leather top.

H-30 Arch Instep Support, **London's**, full length, leather covered.

*H-31 Arch Instep Support, **London's**, half length, leather covered.

H-35 Arch Instep Support, made of steel or German silver, fitted to a plaster cast which must be sent with order.

H-40 Extension Shoe, with cork or willow wood sole.

H-45 Extension Shoe, with steel extension frame.

H-50 Extension shoe, with invisible extension.

Correspondence is invited. Detailed directions for measurements will be sent on request.



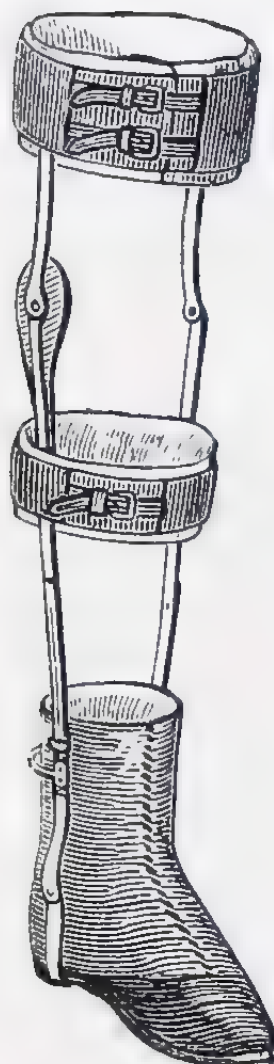
H-55



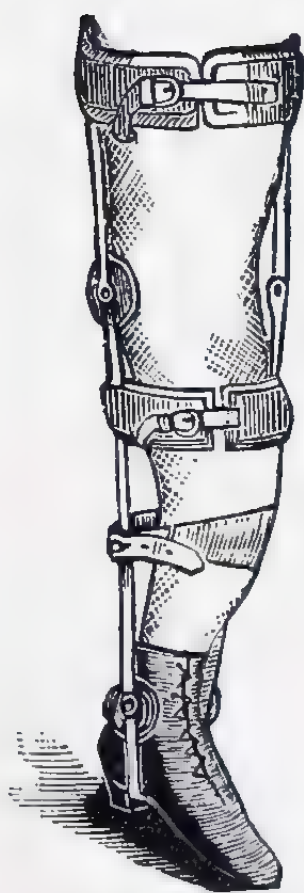
H-60



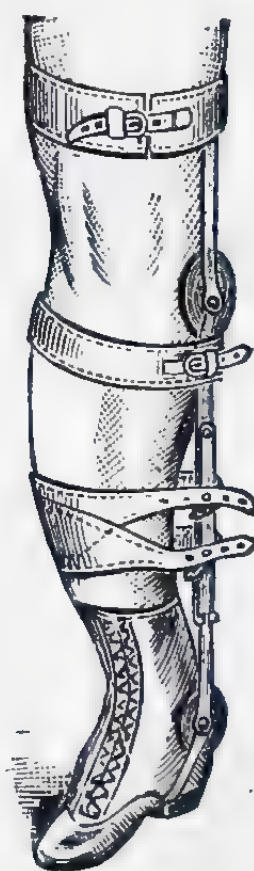
H-65



H-70



H-75



H-80

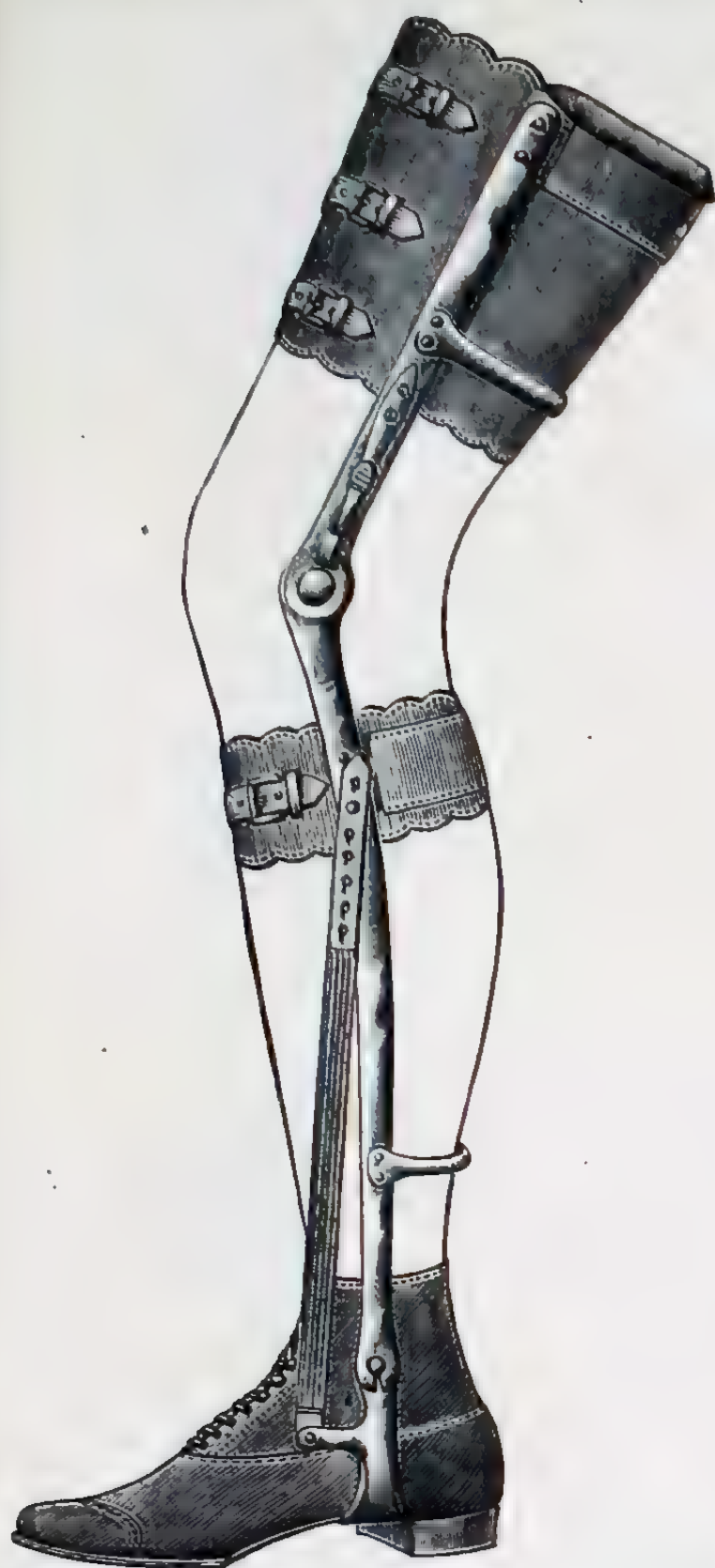


H-85

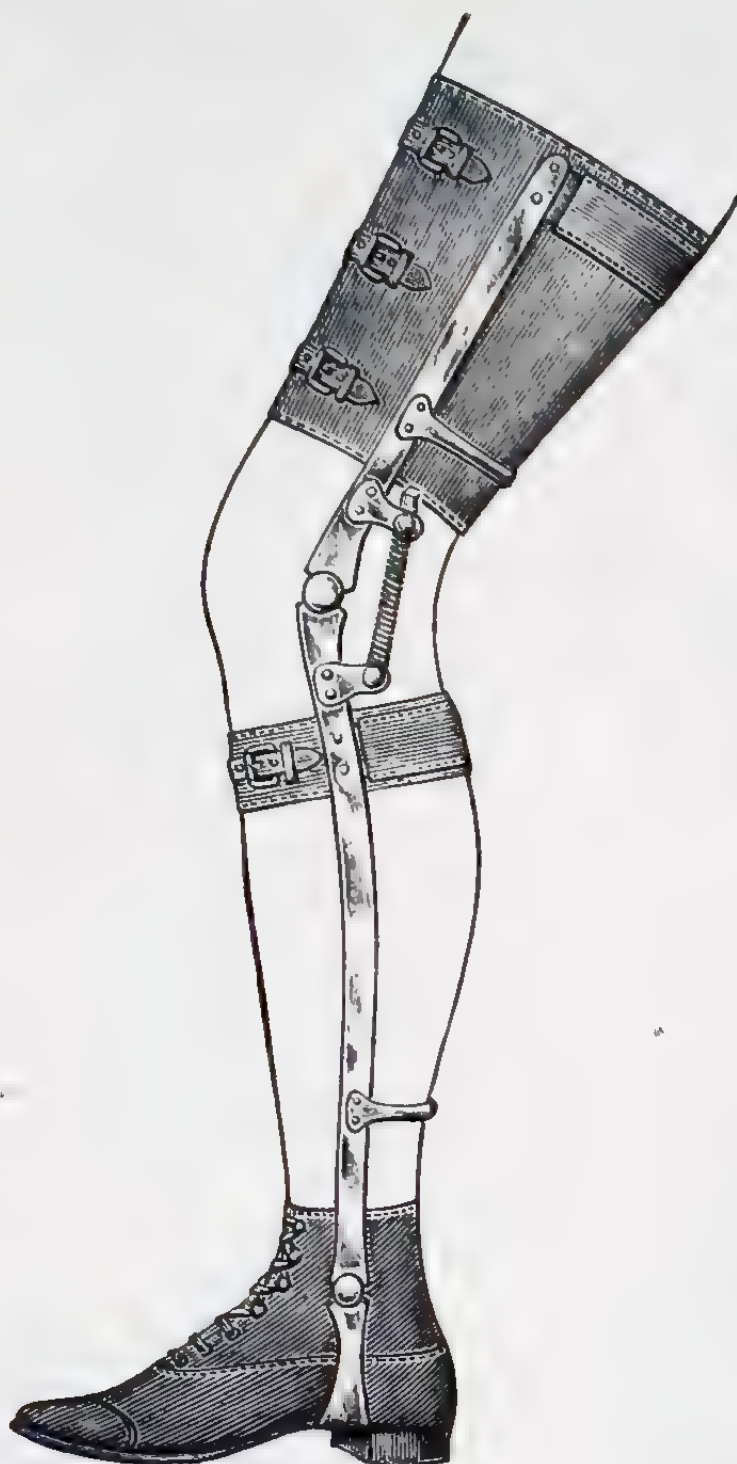
Orthopedic Apparatus

- H-55 Ankle Supporter for weakness in ankle-joint, leather, men's sizes, 6 to 12; women's sizes, 3 to 8; children's sizes, 11, 12, 13, and 1 and 2.
- H-60 Weak-ankle Support, single bar; to be worn inside of the shoe; intended for light cases.
- H-65 Weak-ankle Support, double bar.
- H-70 Apparatus for knock-knee (Genu Valgum).
- H-75 Apparatus for bow-leg (Genu Varum); double bar.
- H-80 Apparatus for bow-leg (Genu Varum); single bar.
- H-85 Apparatus for Talipes Equinus.

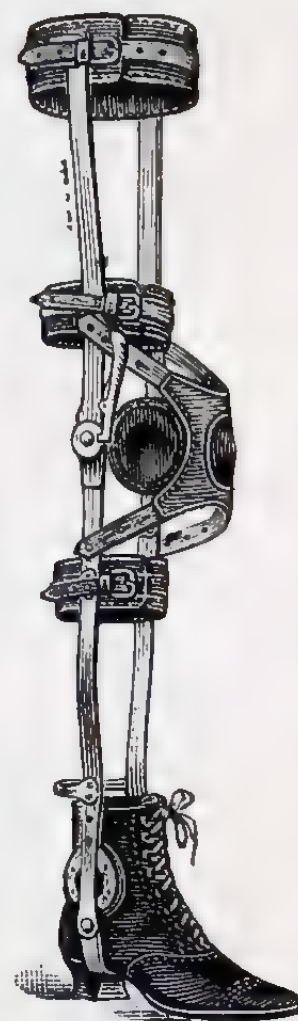
Correspondence is invited. Detailed directions for measurements will be sent on request.



H-90



H-95



H-100



H-105



H-110

Orthopedic Apparatus

H- 90 Lock-joint Apparatus for paralysis of the leg and for support after resection of the tibia.

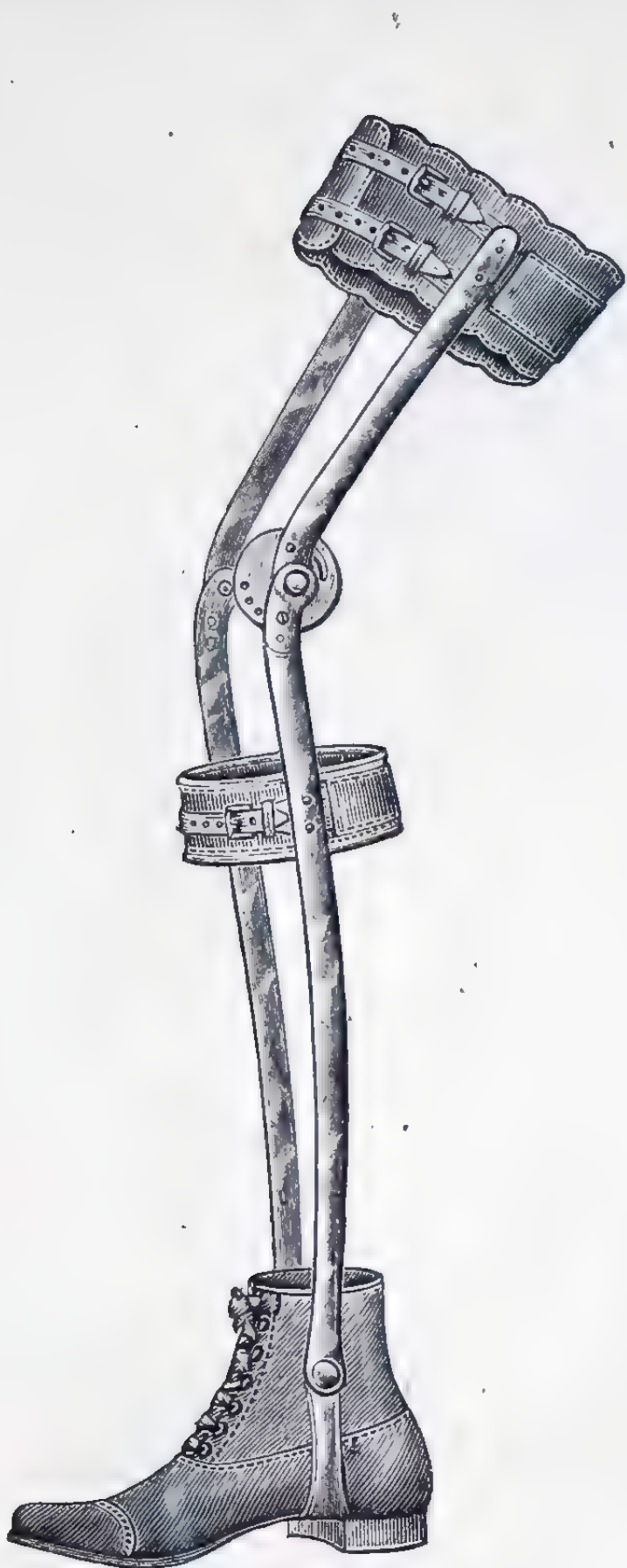
H- 95 Apparatus for ankylosis of the knee-joint.

H-100 Lock-joint Apparatus for paralysis of the knee and ankle-joints.

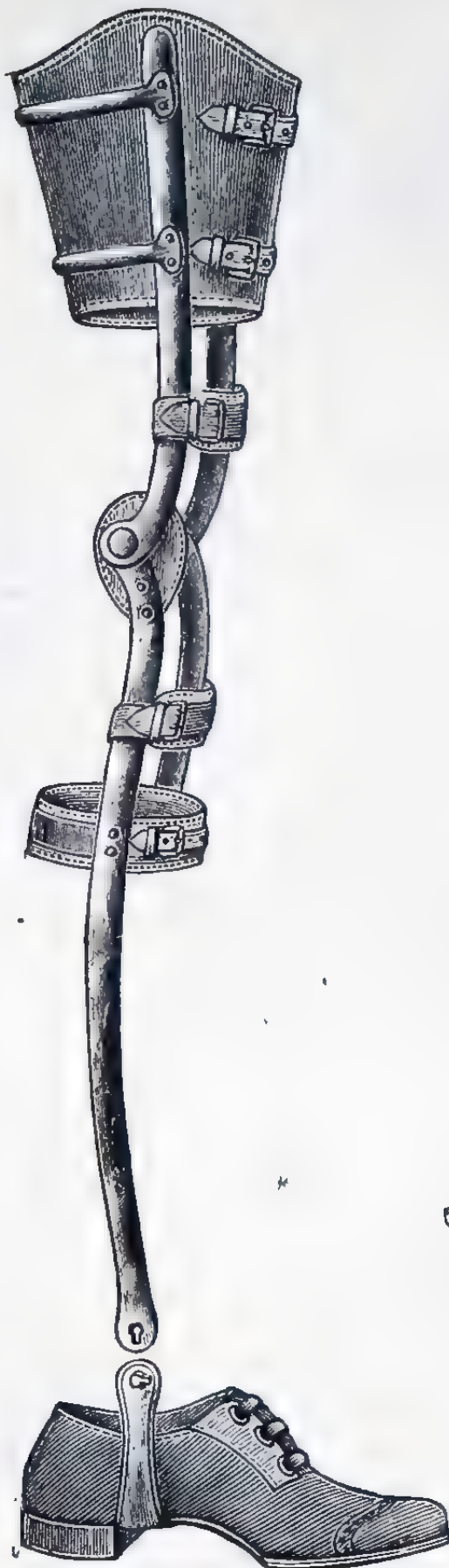
H-105 Club-foot Apparatus for Talipes Varus.

H-110 Splint for Talipes Varus and Valgus; for infants.

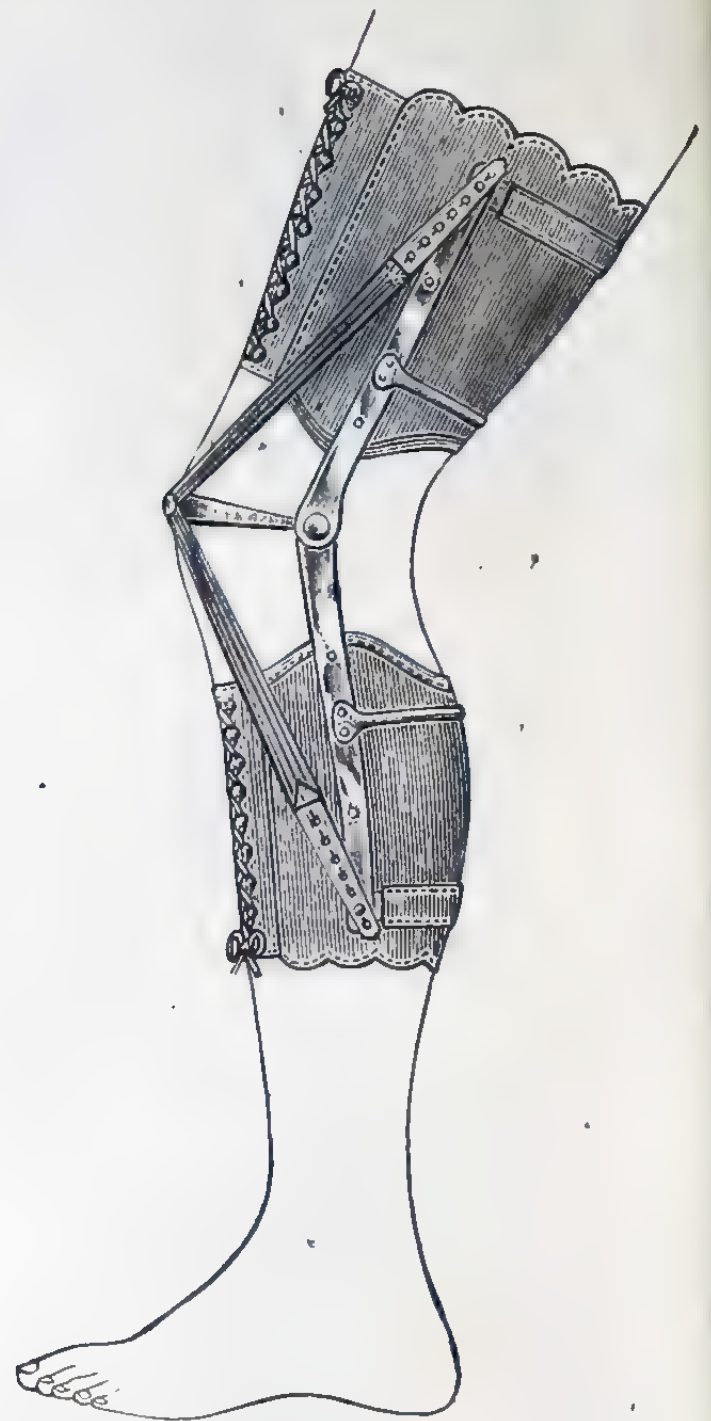
Correspondence is invited. Detailed directions for measurements will be sent on request.



H-115



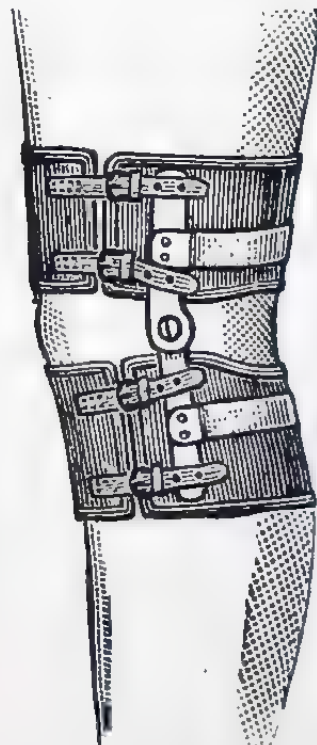
H-120



H-125



H-130



H-135



H-140

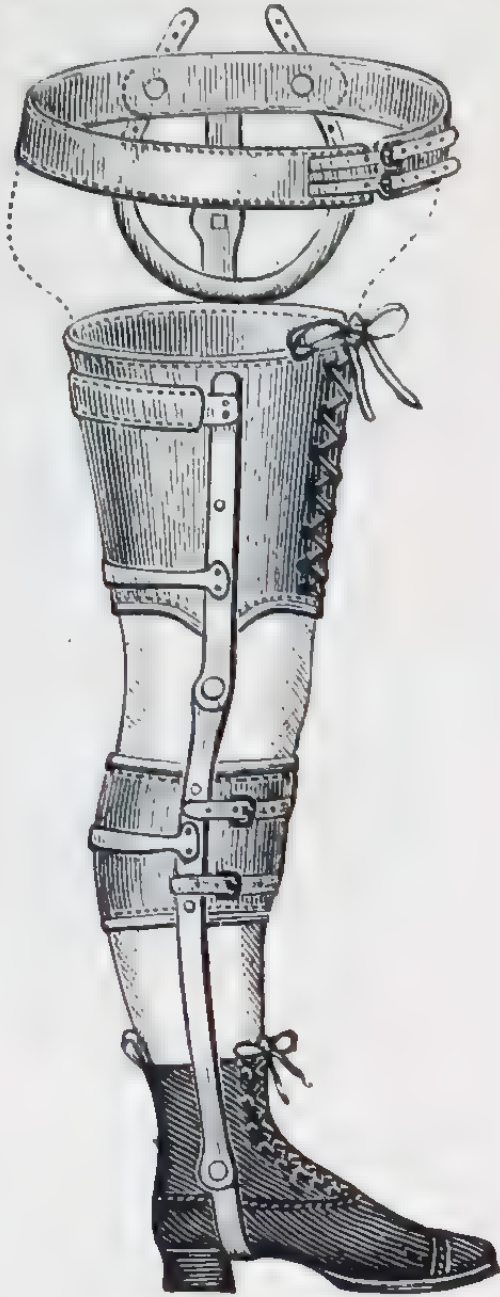
Orthopedic Apparatus

- H-115 Apparatus for Synovitis and for after-treatment of fractured patella.
 H-120 **Shaffer's** Knee Splint for **Hey's** joint and for dislocation of the semilunar cartilage.
 H-125 Apparatus for partial paralysis of the thigh.
 H-130 Knee Cap, **J. Wm. White's**; elastic; to prevent slipping of the semilunar cartilage.
 H-135 Knee Cap, **J. Wm. White's**; leather; to prevent slipping of the semilunar cartilage.
 H-140 Knee Cap for after-treatment of fractured patella and for inflammation of the knee-joint.

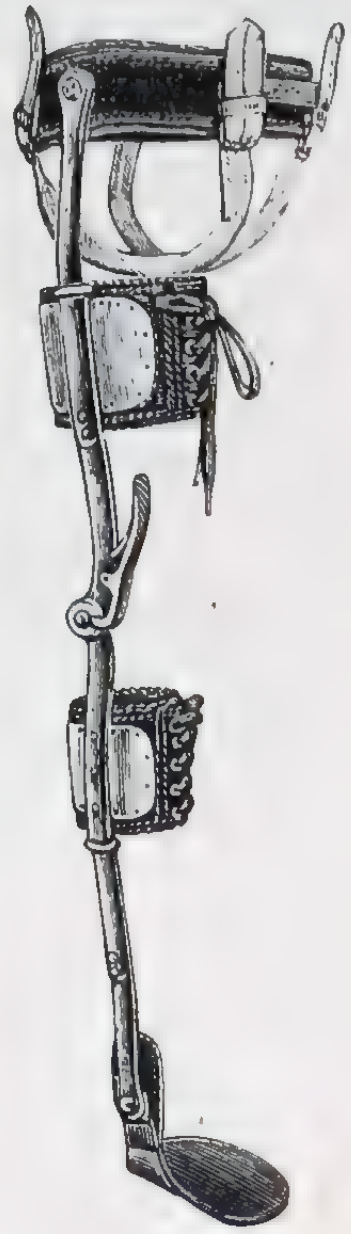
Correspondence is invited. Detailed directions for measurements will be sent on request.



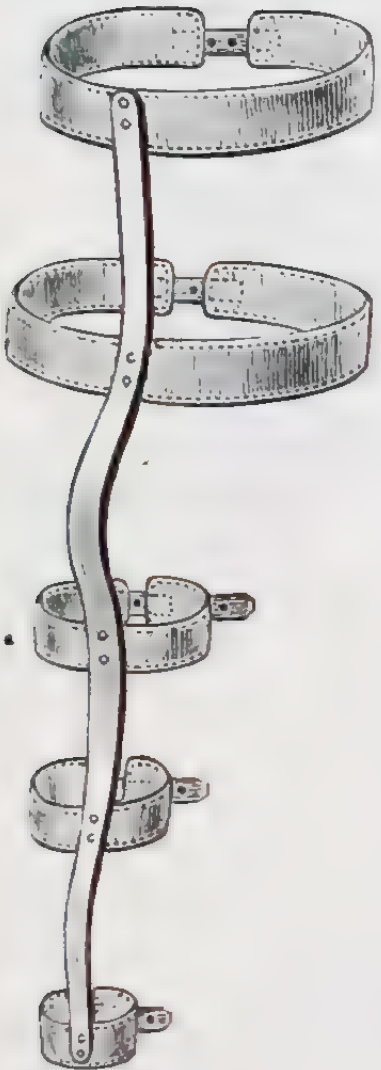
H-145



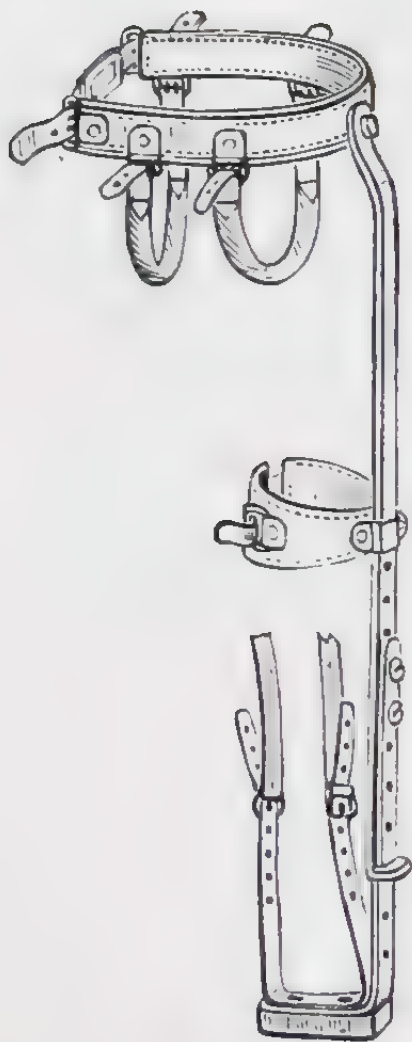
H-150



H-155



H-160



H-165



H-170

Orthopedic Apparatus

- H-145 **Hutchinson's Hip-joint Apparatus.**
 H-150 **Apparatus for after-treatment of fracture of the femur and for un-united fracture.**
 H-155 **Young's Convalescent Hip Splint.**

- H-160 **Thomas' Posterior Hip Splint.**
 H-165 **Long Hip Splint; plain construction.**
 H-170 **Apparatus for after-treatment of compound fracture of the tibia and fibula.**

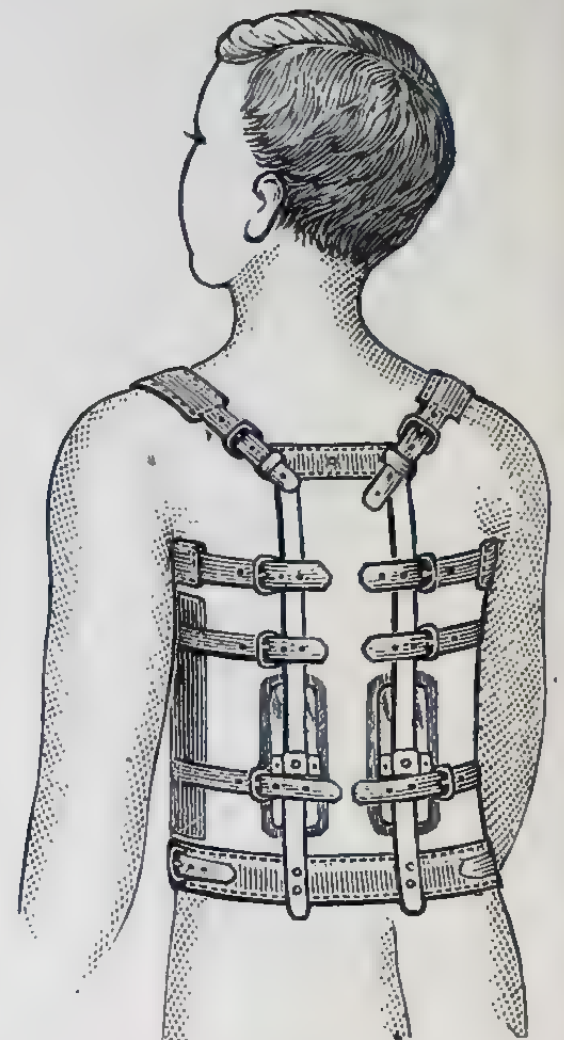
Correspondence is invited. Detailed directions for measurements will be sent on request.



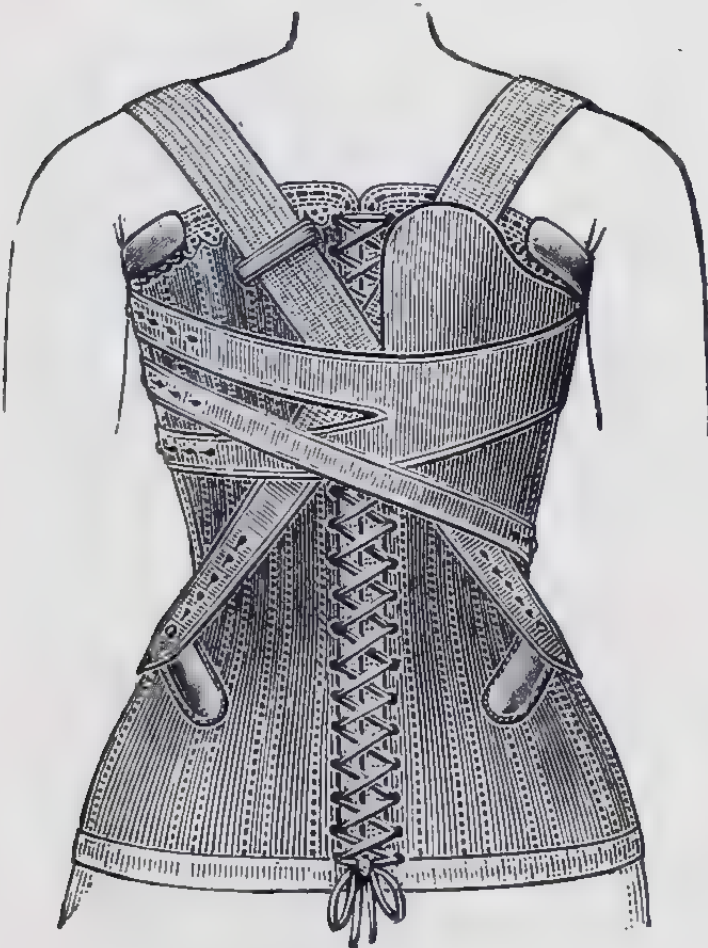
H-180



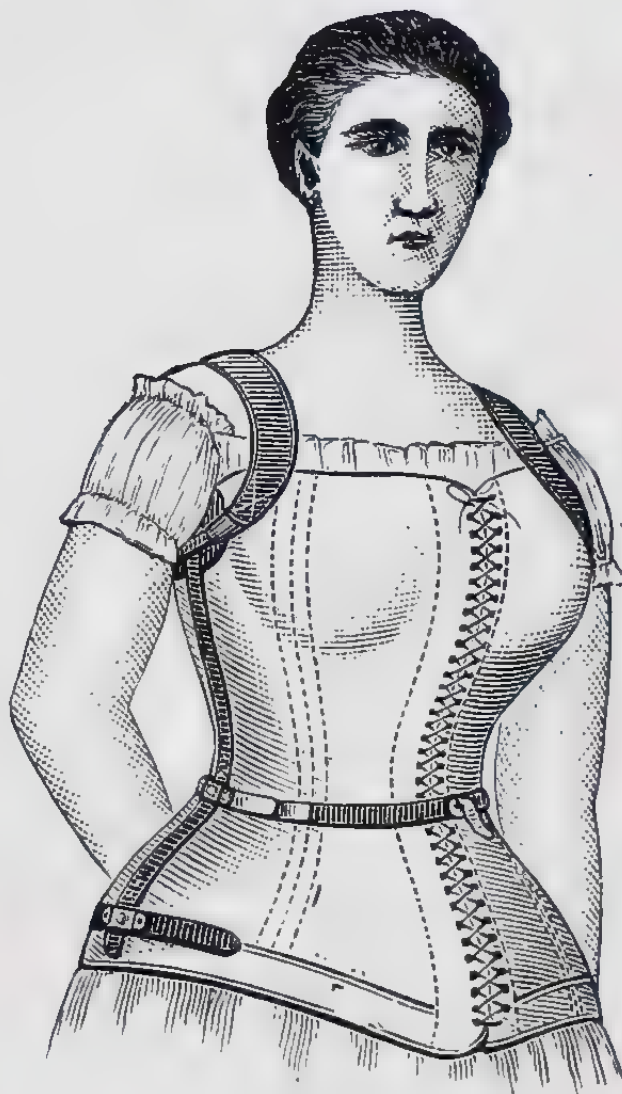
H-185



H-190



H-195



H-200



H-205

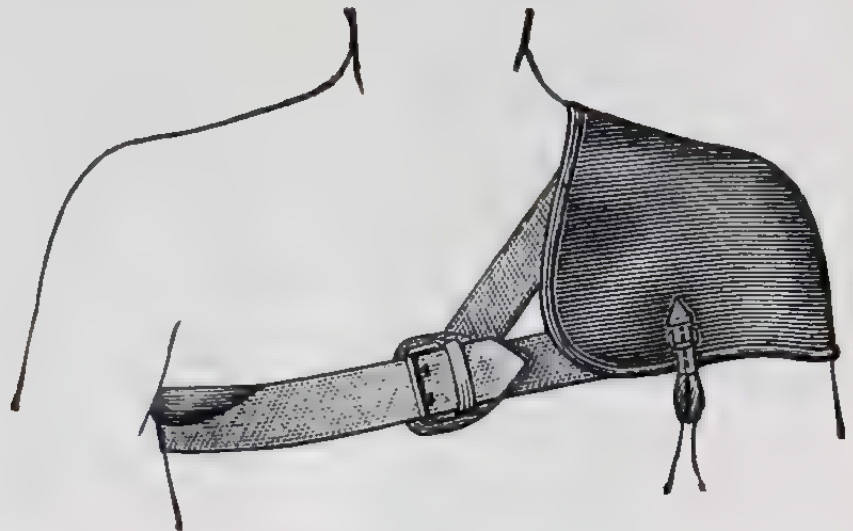
Orthopedic Apparatus

- H-180 Spinal Corset for weak spine and for incipient lateral curvature.
- H-185 Spinal Apparatus for lateral or antero-posterior curvature.
- H-190 **Washburn's** Spinal Apparatus for posterior curvature.
- H-195 Spinal Corset with crutches; for Scoliosis; French model.
- H-200 Spinal Corset, **Morton's**, for lateral or antero-posterior curvature.
- H-205 Shoulder Brace for extreme cases of round shoulders and slight cases of weakness of the spine.

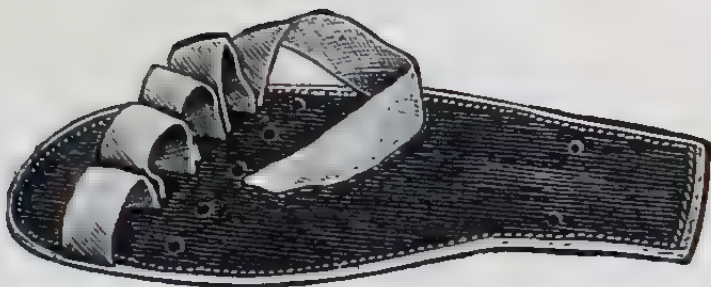
Correspondence is invited. Detailed directions for measurements will be sent on request.



H-210



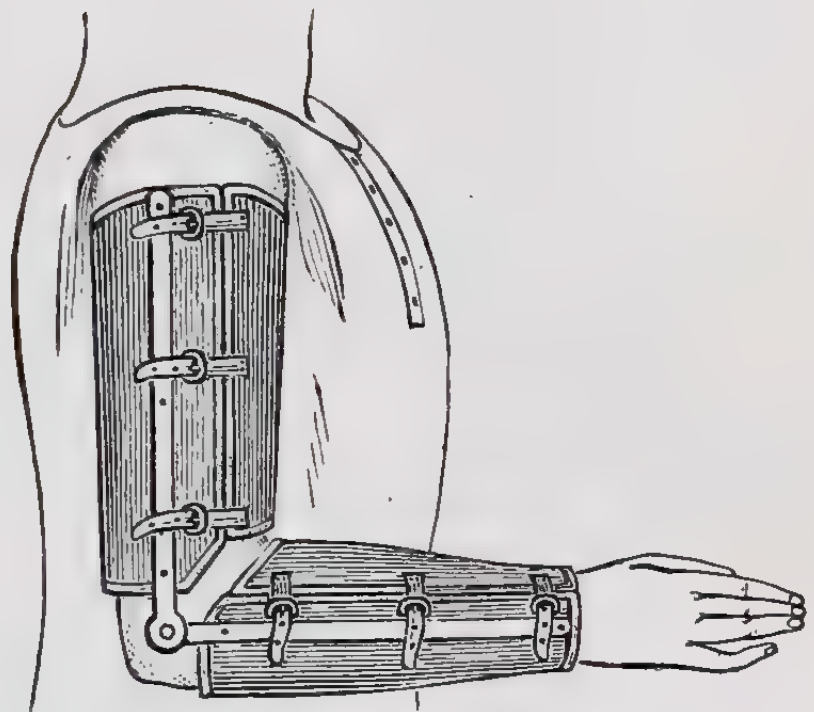
H-215



H-220



H-225



H-230

Orthopedic Apparatus

H-210 Torticollis Head Rest, for the treatment of malposition of the head.

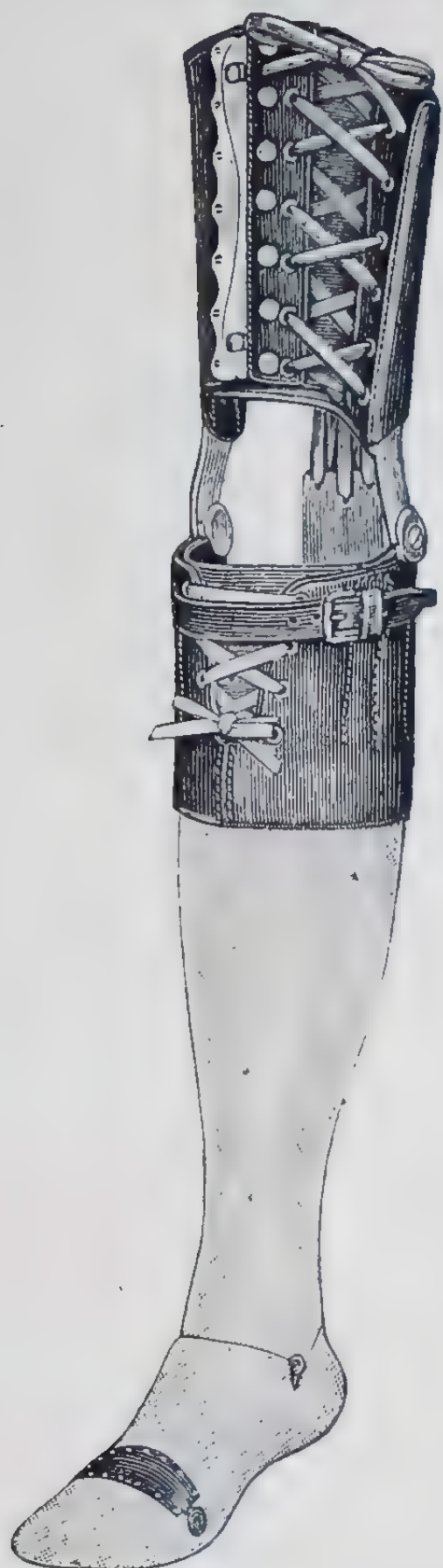
H-215 Shoulder Brace, for after-treatment of fracture and for dislocation of the shoulder joint.

H-220 Apparatus for over-riding or hammer toes.

H-225 Wristlet for after-treatment of fracture of wrist joint.

H-230 **Smith's** Apparatus for un-united fracture or resection of the humerus and forearm.

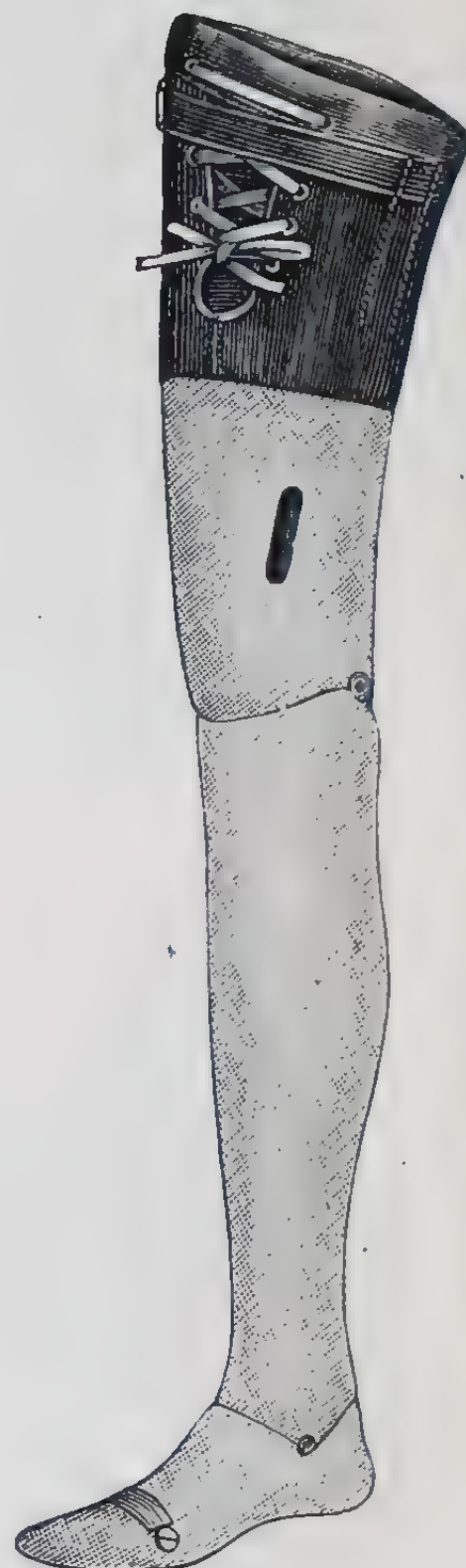
Correspondence is invited. Detailed directions for measurements will be sent on request.



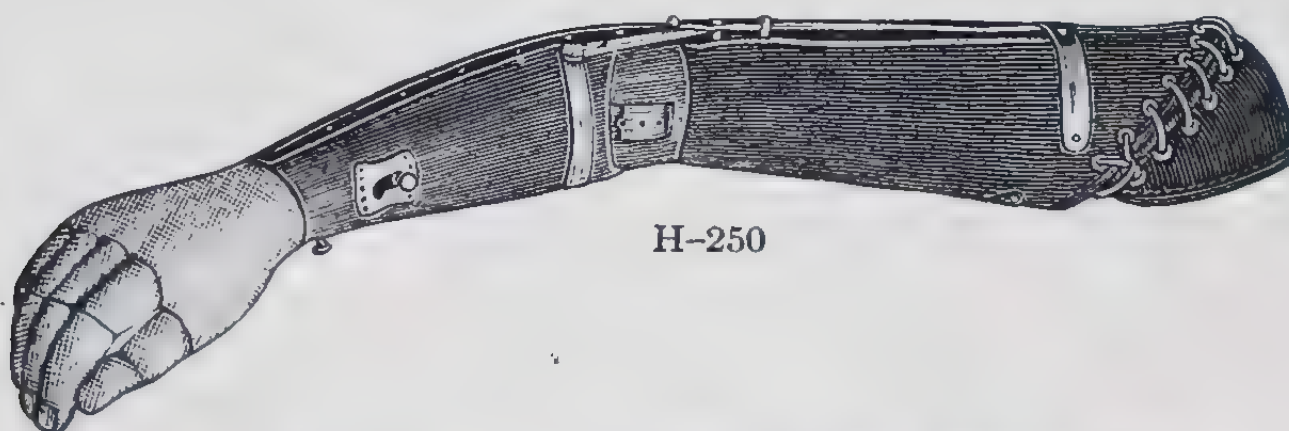
H-235



H-240



H-245



H-250



H-255

Artificial Limbs

- H-235 Artificial Leg for amputation below the knee.
- H-240 Artificial Leg for disarticulation at the knee joint.
- H-245 Artificial Leg for thigh amputation.
- H-250 Artificial Arm for amputation above the elbow.
- H-255 Artificial Arm for amputation at or above the wrist joint.

Correspondence is invited. Complete literature on artificial limbs will be sent on request.



H-300



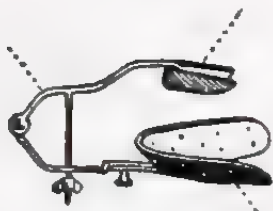
H-345



H-306



H-330



H-335



H-350

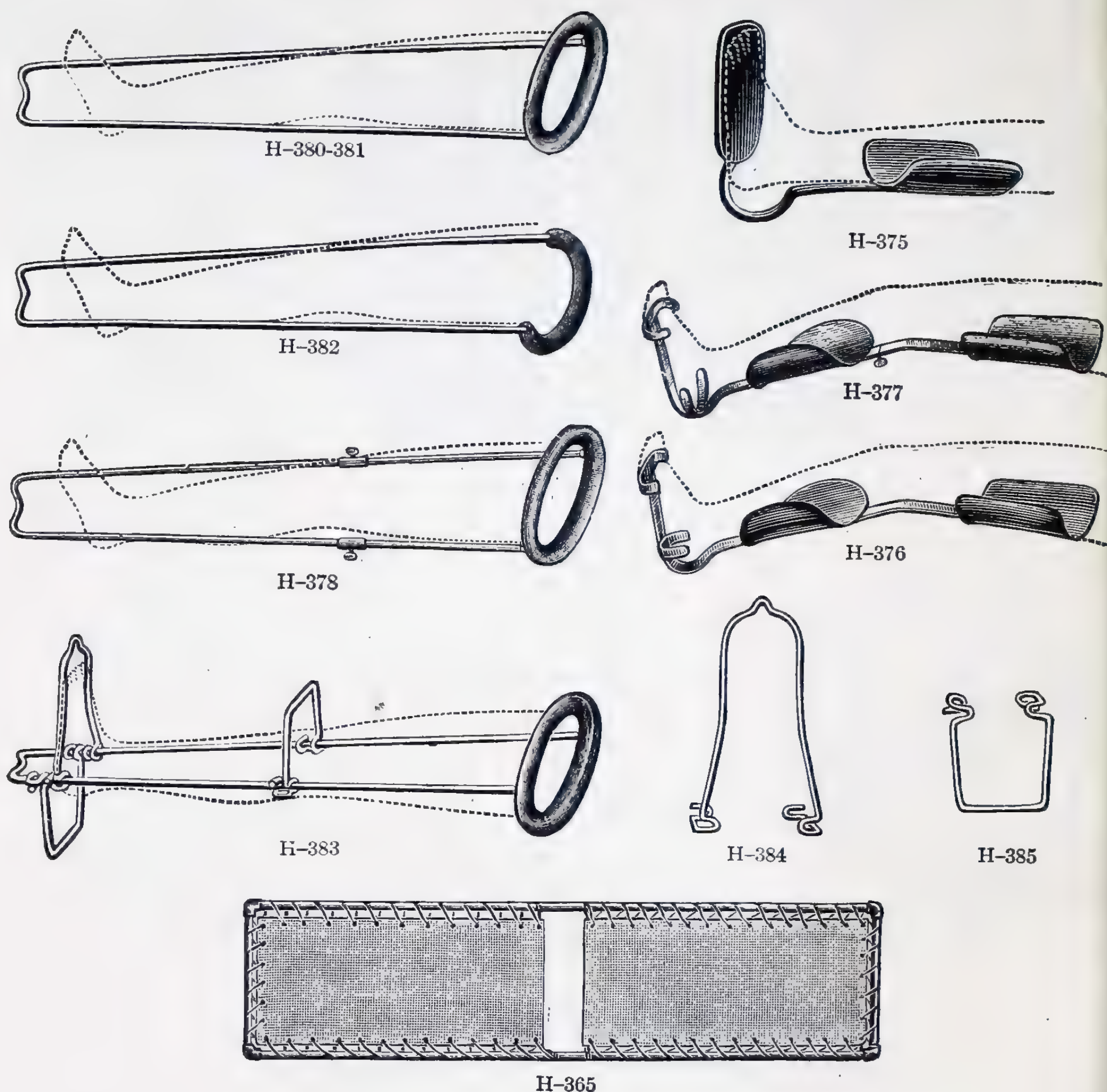
Orthopedic Apparatus, Suspension Apparatus, Splints

- H-300 **Sayre's** Jury Mast, for incorporation in a plaster jacket.
- *H-305 **Sayre's** Suspension Apparatus, plain pulleys, aluminum bronze finish.
- H-306 **Sayre's** Suspension Apparatus, compound pulleys, nickel finish.
- *H-307 **Sayre's** Tripod for suspension apparatus, jointed.

Splints

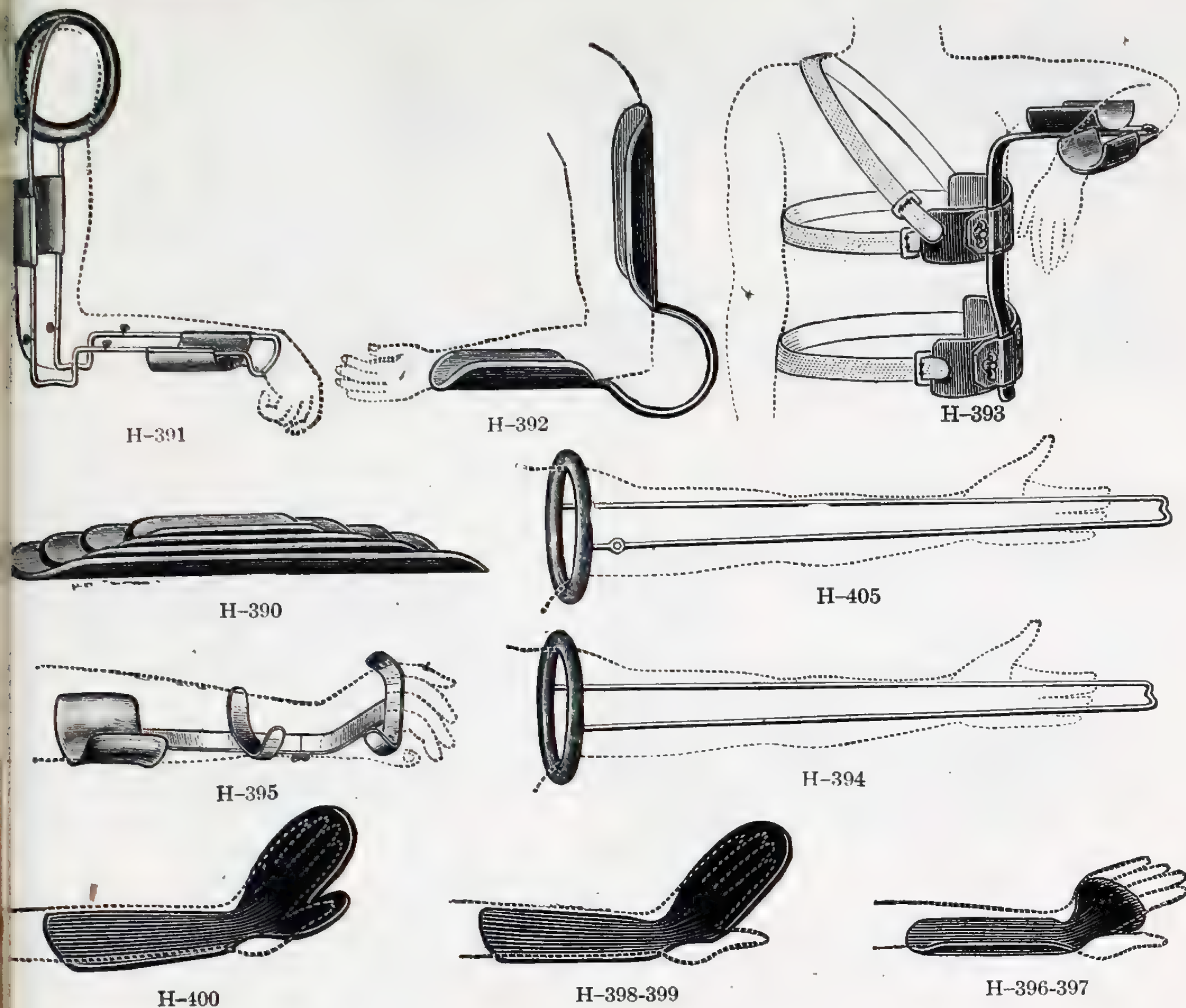
- *H-320 Fracture Box, wood, 3 sizes.
- *H-325 **Hodgen's** Suspension Splint, U. S. army, with rope and pulley.
- H-330 **Hamilton-Collin's**, for inferior maxillary fracture.
- H-335 **Matas'**, for inferior maxillary fracture, complete set including adjustable clamp, 3 dental plates, adult, youth and child sizes, and 2 sizes of chin pieces.
- *H-340 **Pratt's** Double Inclined Plane, wood, 3 sizes.
- H-345 **Walker's** Natural Form Fitting Forearm Splints, 5 sizes, rights and lefts, in sets of 10 or single.
- H-350 Wood Splints, coaptation, made of bass wood, light, medium and heavy.

STANDARD SURGICAL INSTRUMENTS



Splints

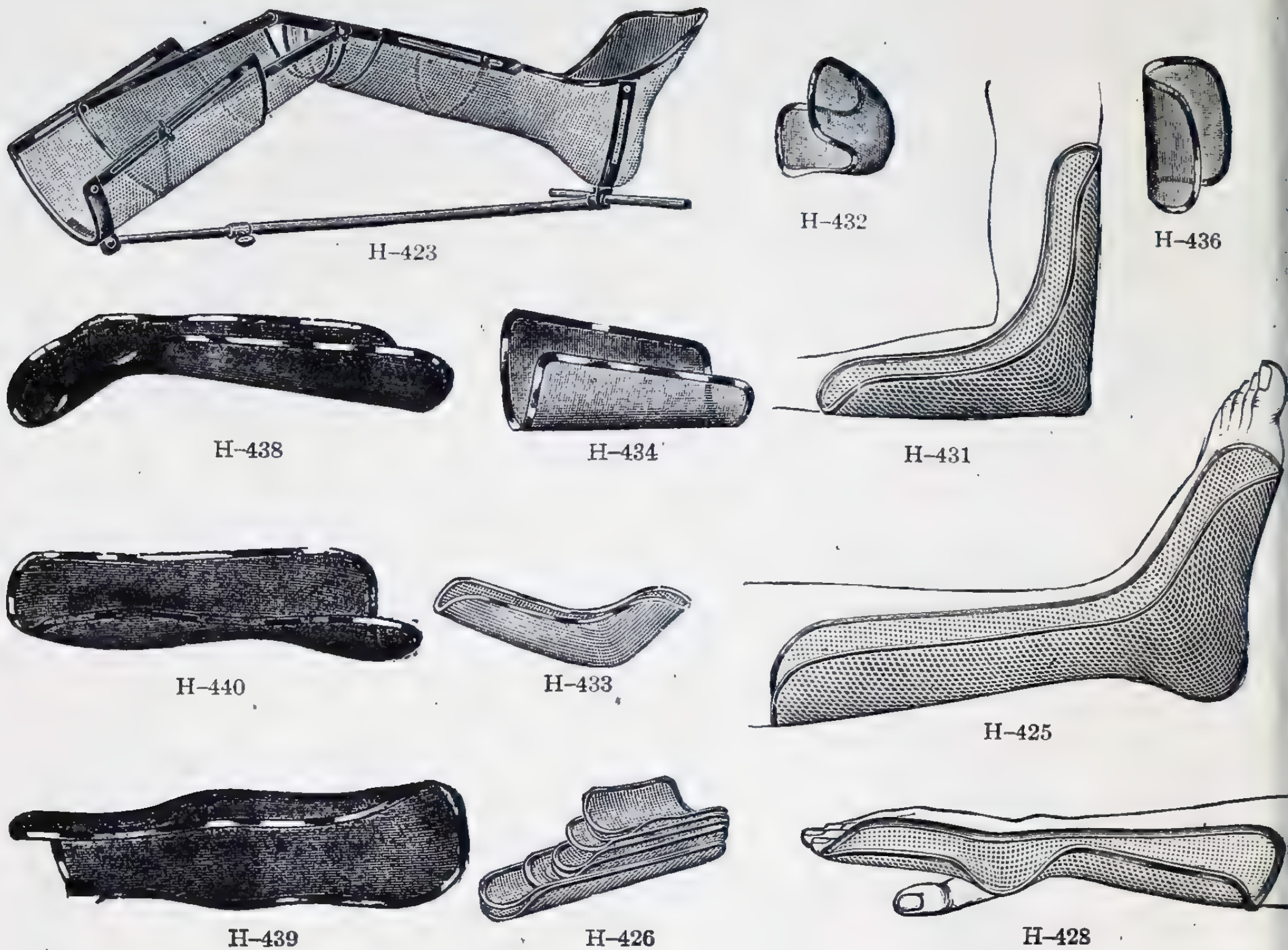
- *H-360 **Balkan Frame, Blake-Lyle's**, complete with bottle rack and trolley, adjustable to any size bed.
- H-365 **Bradford Frame**, U. S. A. standard, 6 feet 2 inches long, 18 inches wide.
- *H-370 **Bradford Abduction Frame**, U. S. A. standard, 6 feet long, width tapers from 16 inches to 36 inches.
- H-375 **Jones' Foot Splint**, rectangular, heavy felt lined.
- H-376 **Jones' Leg Splint**, with 4 adjustable aluminum supports, length adjustable.
- H-377 **Jones' Humerous Extension Splint**, heavy felt lined, universal.
- H-378 **Jones-Thomas' Leg Splint**, adjustable for right or left, jointed, length adjustable to 52 inches, 2 sizes of rings, inside circumference 25 and 28 inches, padded and leather covered.
- H-380 **Thomas' Extension Leg Splint**, 2 sizes padded rings, 25 and 28 inches inside circumference, length 52 inches, universal.
- H-381 **Thomas' Extension Leg Splint**, same as above, child size, ring 18 inches inside circumference, length, 20 inches.
- H-382 **Thomas' Half Ring Extension Leg Splint**, length 52 inches, universal.
- H-383 **Thomas' Knee Splint**, with bed rest and toe drop attachment, universal.
- H-384 **Thomas' Toe Drop Brace**, attachable to Thomas' splints.
- H-385 **Thomas' Bed Rest**, attachable to Thomas' splints.



Splints

- H-390 **Jones'** Simple Straight Splints, heavy felt lined, 8 inches, 12 inches, 16 inches, 18 inches.
- H-391 **Jones'** Extension Arm Splint, padded, leather-covered ring, two canvas supports, adult and child size.
- H-392 **Jones'** Elbow Splint, aluminum, for immobilization of the joint, adjustable, universal.
- H-393 **Jones'** Arm Splint, U. S. Army standard, universal, heavy felt lined and heavy webbing straps.
- H-394 **Jones'** Abduction Arm Splint, U. S. Army standard, 3 sizes, 15 inches, 18 inches, 20 inches, padded ring, length 34 inches, universal.
- H-395 **Jones'** Skeleton Hand Splint, dorsiflex, aluminum, 2 sizes, adjustable supports, heavy felt lined, also made in steel.
- H-396 **Jones'** Short Cock-up Hand splint, U. S. standard, steel, 9 inches, heavy felt lined.
- H-397 **Jones'** Short Cock-up Hand Splint, aluminum, 9 inches, universal.
- H-398 **Jones'** Long Hand Splint; U. S. Army standard, steel, 2 sizes, adult and child, heavy felt lined.
- H-399 **Jones'** Long Hand Splint, aluminum, 2 sizes, adult and child.
- H-400 **Jones'** Long Hand Splint, with thumb piece, U. S. Army standard, right and left, 2 sizes, adult and child, heavy felt lined.
- H-405 **Murray's** Hinged Arm Splint, 20-inch ring, padded, leather covered and stitched, length 33 inches.
- *H-406 **Murray's** Adjustable Arm Splint, for transplant cases, aluminum, allows X-ray to be taken.
- *H-410 **Leyva's** Airplane Splint, for open treatment after fracture operations on arm or forearm.

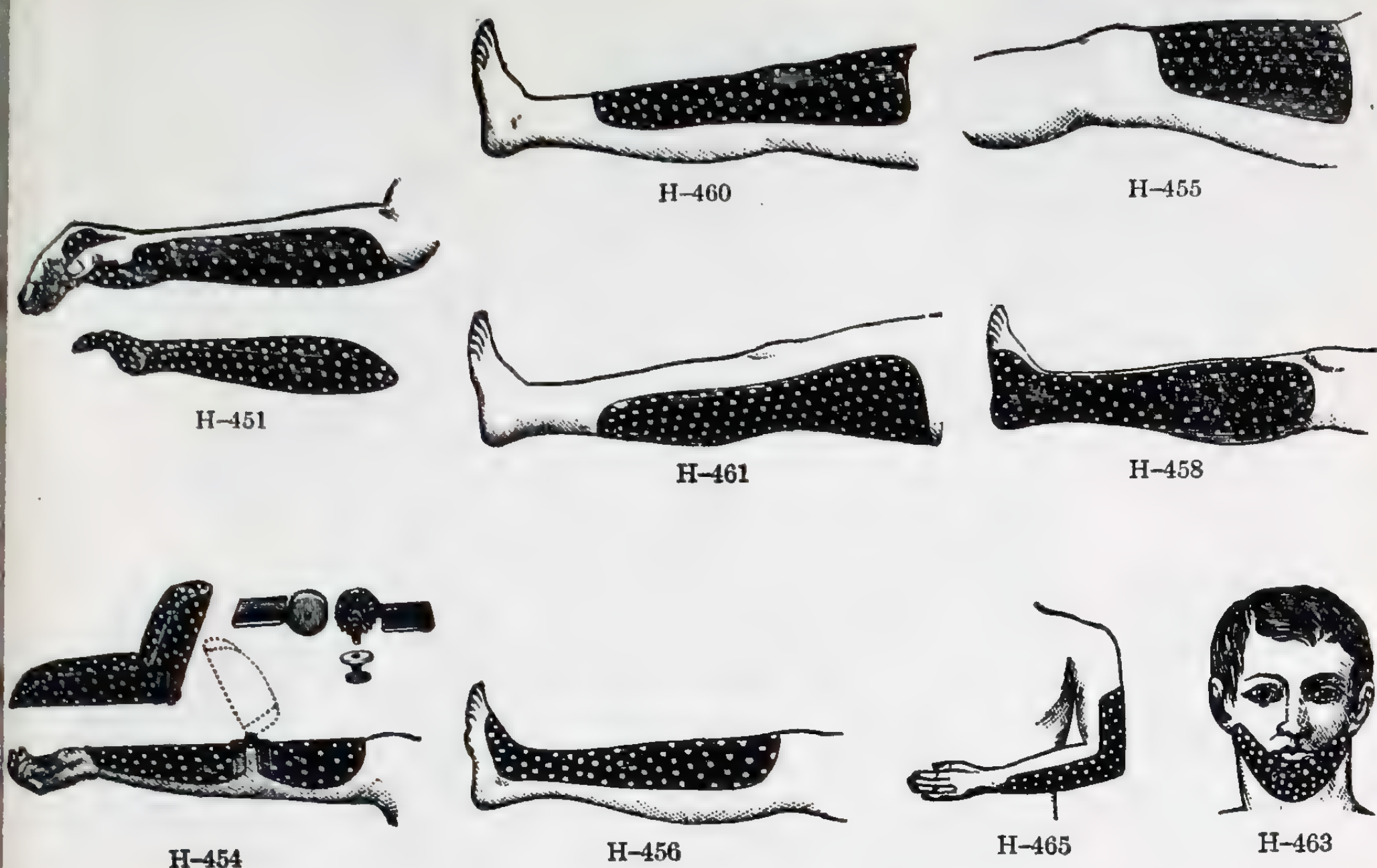
STANDARD SURGICAL INSTRUMENTS



De Puy's Adjustable Wire Splints

- | | | | |
|--------|--|--------|---|
| *H-420 | Clavicle, Hawes' , large, small. | *H-429 | Colles Fracture, right and left, large, small. |
| *H-421 | Elbow Anterior, acute angle, large, medium, small. | *H-430 | Elbow, hinged, anterior or posterior, large, medium, small. |
| *H-422 | Elbow Anterior, right angle, large, medium, small. | H-431 | Elbow, posterior, right angled, large, medium, small. |
| H-423 | Leg, De Puy's Combination, adjustable inclined plane, large, small. | H-432 | Maxilla, large, small. |
| *H-424 | Leg, for Potts' fracture, large, medium large, medium, small. | H-433 | Shoulder, large, medium, small. |
| H-425 | Leg, Tibia and Fibula, posterior, large, medium, small. | H-434 | Femur (utility), large, medium, small. |
| H-426 | Coaptation Splints, 10, sizes, set. | *H-435 | Femur, large, medium, small. |
| *H-427 | Radius, right and left, large, medium, small. | H-436 | Humerus, large, medium, small. |
| H-428 | Forearm and Hand, right and left, large, medium, small. | *H-437 | Humerus Extension, large, small. |
| | | H-438 | Tibia and Fibula, Anterior, large, medium, small. |
| | | H-439 | Patella, Anterior, large, medium. |
| | | H-440 | Patella, Posterior, large, medium, small. |

Complete descriptive pamphlets of the above splints sent on request



Lee's Metallic Splints

- | | |
|--|--|
| *H-450 Radius Splint, No. 1, 2 sizes, rights and lefts. | *H-459 Internal Ankle Splint, No. 17, 2 sizes, rights and lefts. |
| H-451 Radius Splints, No. 13, 2 sizes, rights and lefts. | H-460 Patella Splint, Anterior, No. 15, 2 sizes. |
| *H-452 Combined Forearm Splint, No. 12, 2 sizes, rights and lefts. | H-461 Patella Splint, Posterior, No. 8, 2 sizes. |
| *H-453 Ulna Splint, No. 18, 2 sizes, rights and lefts. | *H-462 Clavicle Splint, No. 5, 2 sizes. |
| H-454 Elbow Splint, No. 22, hinged joint, 2 sizes. | H-463 Maxillary Splint, No. 6, 2 sizes. |
| H-455 Femur Splint, No. 7, 2 sizes. | *H-464 Elbow Splint, Posterior, acute angle, No. 19, 2 sizes. |
| H-456 Tibia-Splint, Anterior, No. 14, 2 sizes. | H-465 Elbow Splint, Posterior, right angle, No. 20, 2 sizes. |
| *H-457 Tibia and Fibula Splint, Posterior, No. 9, 2 sizes. | *H-470 Elbow Splint, Posterior, obtuse angle, No. 21, 2 sizes. |
| H-458 External Ankle Splint, No. 16, 2 sizes, rights and lefts. | |

Complete descriptive pamphlets of the above splints sent on request



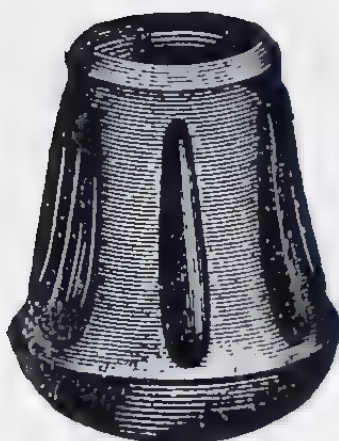
H-500



H-505



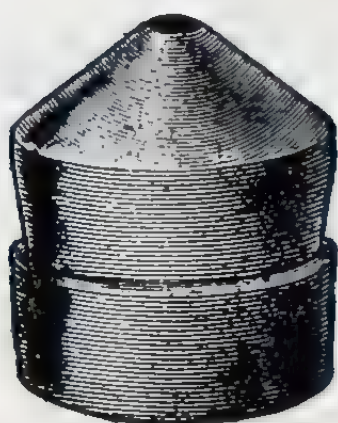
H-510



H-550



H-560



H-540



H-520-525

Sundry Appliances

- H-500 **Haslam's** device to prevent projecting ears, small, medium and large.
H-505 **Sterling** device to prevent projecting ears, small, medium and large.
H-510 **French's** device to prevent mouth breathing during sleep, adult and child sizes.

Crutches, Etc.

- H-520 Crutch, made of rock maple, patent elastic top and **Whittemore** bottoms.
H-525 Crutch, made of rosewood, patent elastic top and **Whittemore** bottoms, (made to order only).
H-530 Crutch, made of maple, cherry top and handpiece, nickel plated brass ferrules at bottom, with screw socket rubbers.
H-535 Crutch, plain split maple, with cherry top and hand piece.
H-540 Crutch Rubbers, **Whittemore's**, 3 sizes, small, medium, large.
*H-545 Crutch Rubbers, screw end, 3 sizes, small medium, large.
H-550 Crutch Rubbers, Excelsior, No. 17, No. 18, No. 19, No. 20, No. 21.

All-Cotton-Elastic Bandages

- H-560 **Ace** Bandages, widths, 2 inches, 2 1/2 inches, 3 inches, 3 1/2 inches, inches, 4 inches, 5 inches, 6 inches, 7 inches, 8 inches.

The Ace bandage is an elastic bandage without rubber, it does not deteriorate, but improves in elasticity with washing.



H-535



H-530

Elastic Hosiery

Elastic goods made to order cannot be exchanged or returned for credit, although slight alterations may be made.

We guarantee that the workmanship and materials are the best available.

For measures take exact circumference in inches at points indicated by letters. We allow for compression. Measurements should be taken in the morning before the limb has swollen.

Length measures must be taken on the inside of limb.

Do not give the measurements of the well limb expecting the piece to fit the affected part.

While the value of Surgical Hosiery depends largely on the quality and freshness of the rubber, accuracy of fit is of the highest importance; care should therefore be taken to follow explicitly our directions for measurement. Send for measurement blanks.

DIRECTIONS FOR SPECIAL MEASUREMENTS

Thigh Stockings, circumferences at A, B, C, D, E, F, G, H, I; length from floor to F and F to I.

Thigh Legging, circumferences at C, D, E, F, G, H, I; lengths from C to F and F to I.

Thigh Knee Cap, circumferences at E, F, G, H, I, length, E to F and F to I.

Thigh Piece, circumferences at G, H, I; length, G to I.

Knee Stockings, circumferences at A, B, C, D, E, F, G, lengths, floor to F and F to G.

Knee Leggings, circumferences at C, D, E, F, G; lengths, C to F and F to G.

Knee Caps, circumferences at E, F, G; length, F to G.

Garter Stockings, circumferences at A, B, C, D, E; length, floor to E.

Garter Leggings, circumferences at C, D, E; length, C to E.

Anklets, circumferences at A, B, C; length, floor to C.

Shoulder Cap, Z, or around form and under one arm as indicated; Y, or around arm at top; Y, also around arm and body to opposite side; X, or around arm a little below Y, and give also length measures X to Y and Y to Z and X to arm-pit. If for right or left shoulder.

Elbow Cap, circumferences at U, V, W; length, U to W.

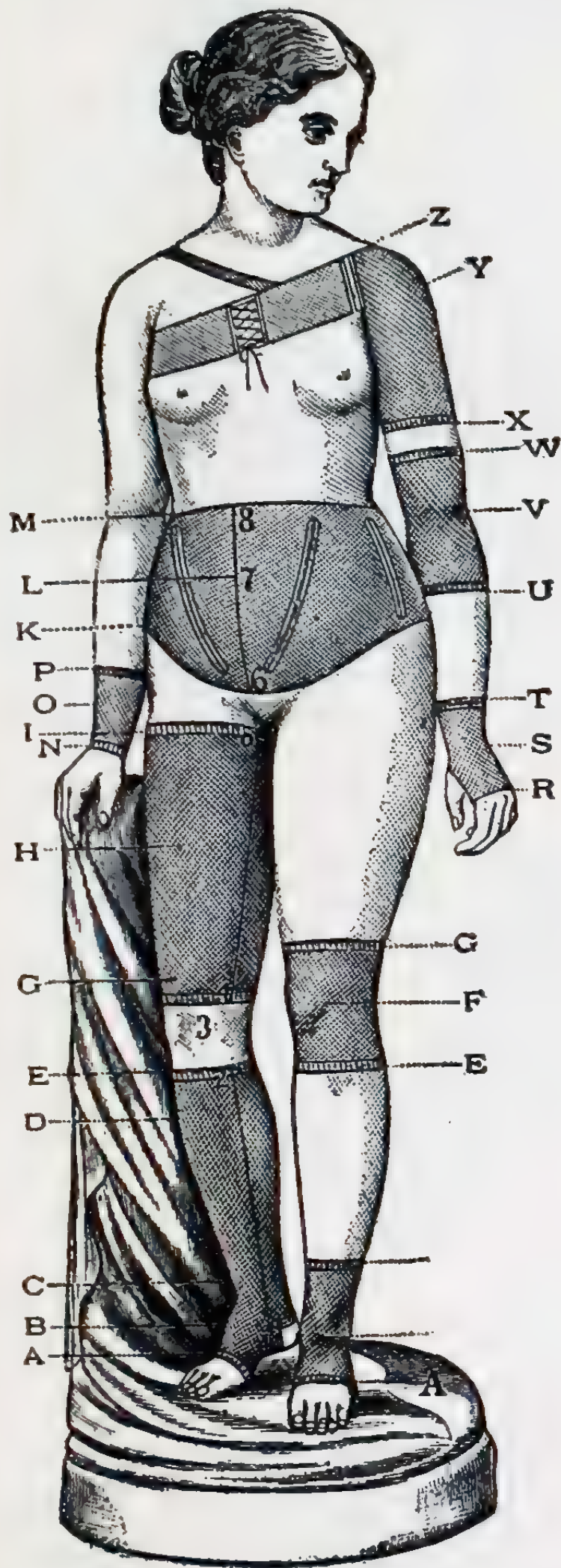
Wristlet, circumference at N, O, P; length, N to P.

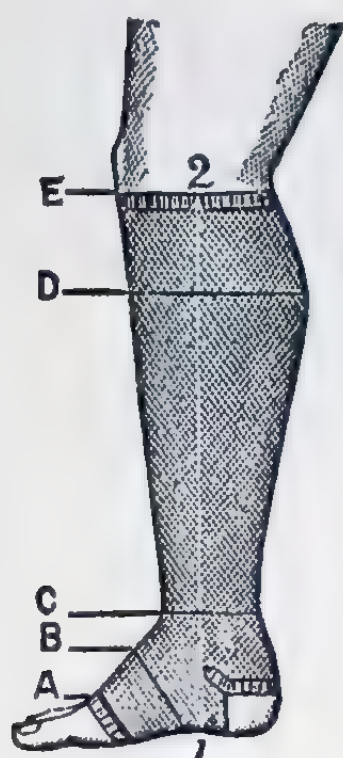
Mitten, T, or around top; S, or around wrist; R, or around hand, including thumb, and also separate measure around the forefingers back of knuckles; also inches around thumb, if thumb piece is wanted, but the mitt is better without the thumb unless compression of the thumb is necessary. Length, R to S and S to T. If for right or left hand.

Abdominal Supporters, circumferences at K, L and M; length, 6 to 7, 7 to 8.

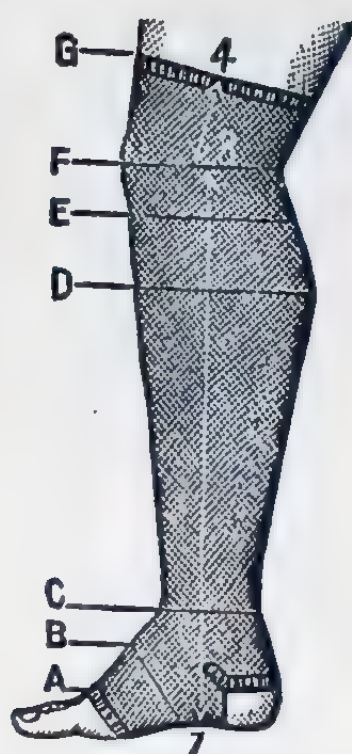
WE CAN LACE PIECES FOR YOU

We lace stockings of any length to order only, and laces should be used where the conditions of the limb will not permit of the drawing on of a solid piece, where ankle is too small to permit the piece to be drawn over the heel without over-straining, or where there is over-much swelling to be reduced. State if for right or left limb, as we lace on inner side when condition of limb will permit.

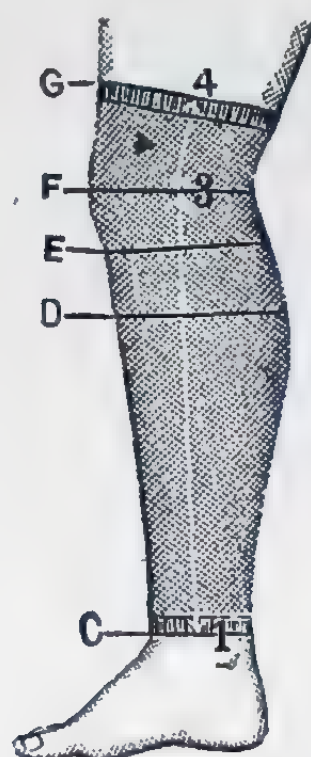




Garter Stocking
H-610



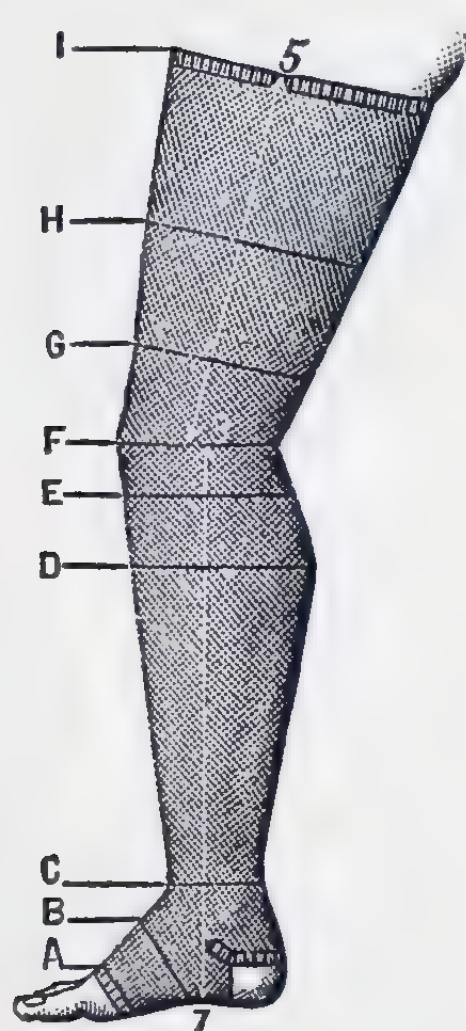
Knee Stocking
H-625-630



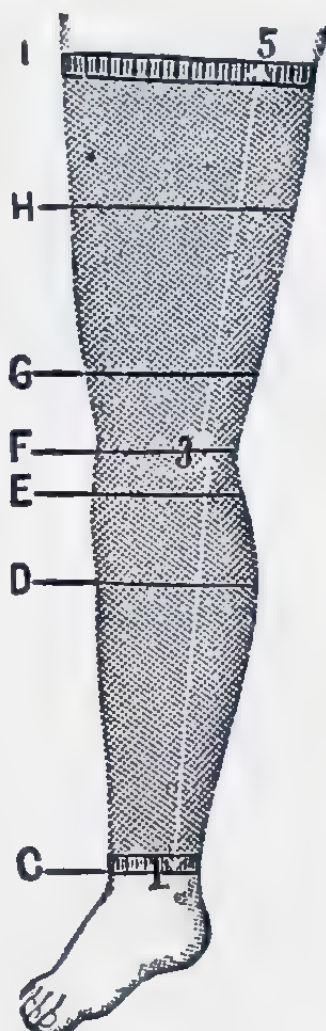
Knee Legging
H-620



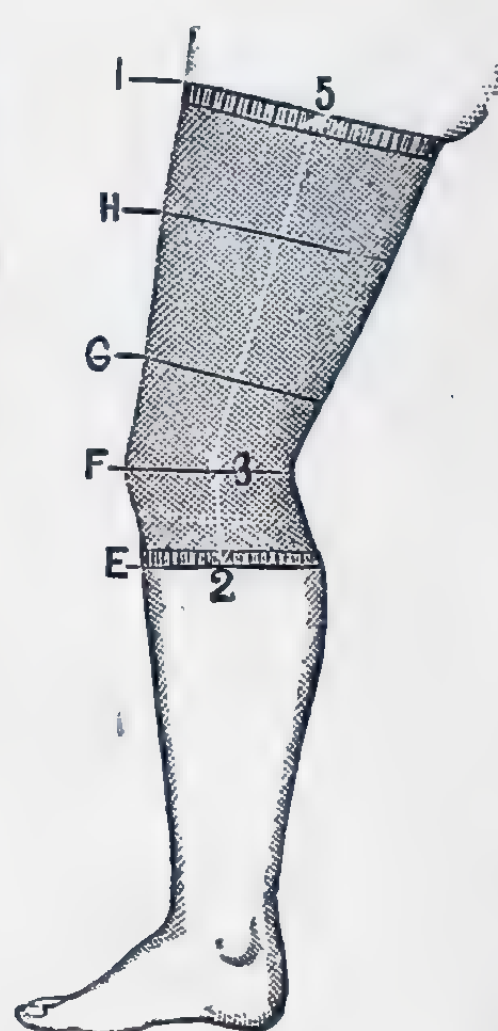
Knee Cap and Anklet
H-600-615



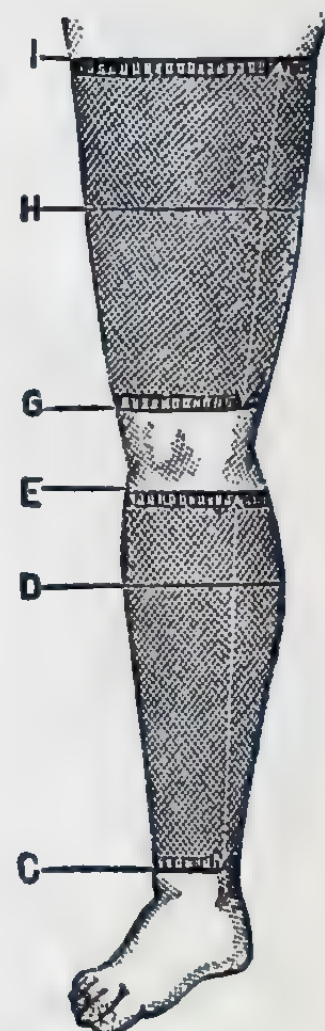
Thigh Stocking
H-650



Thigh Legging
H-640



Thigh Knee Cap
H-635



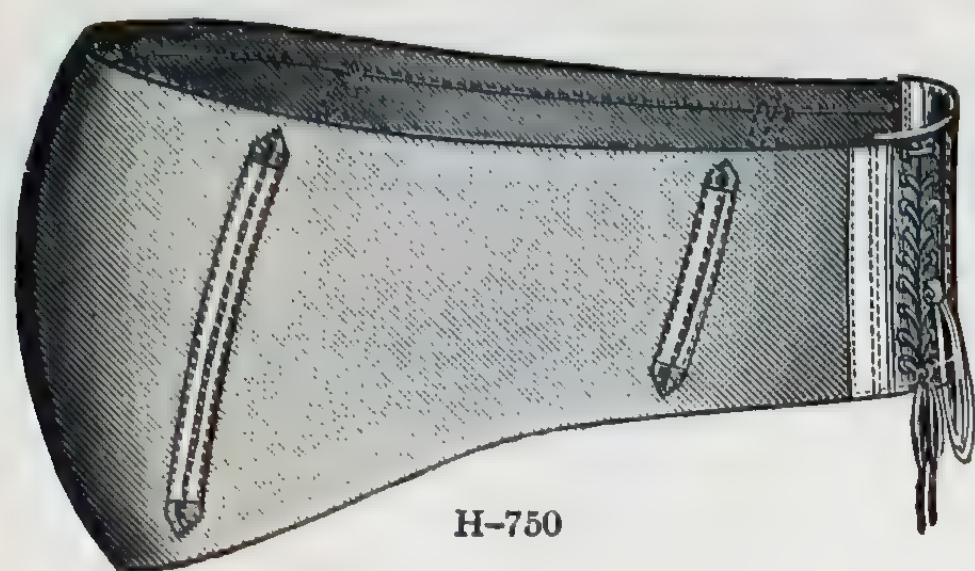
Thigh Piece and
Garter Legging
H-605-645

Elastic Hosiery

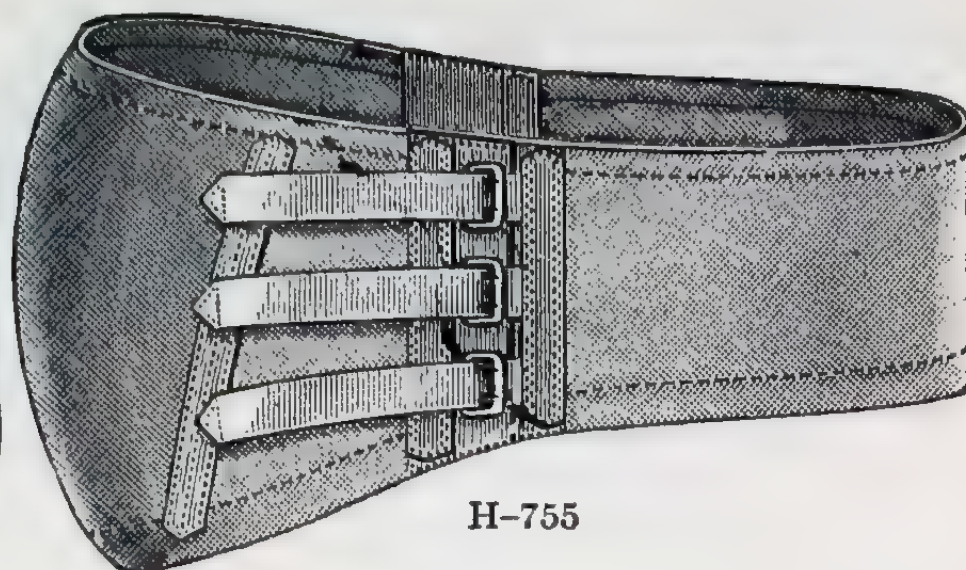
Thread, Silk and Heavy Silk

H-600 Anklet.
H-605 Garter Legging.
H-610 Garter Stocking.
H-615 Knee Cap.
H-620 Knee Legging.
H-625 Knee Stocking, long.
H-630 Knee Stocking, short.
H-635 Thigh Knee Cap.
H-640 Thigh Legging.
H-645 Thigh Piece.
H-650 Thigh Stocking.
*H-655 Arm Piece.

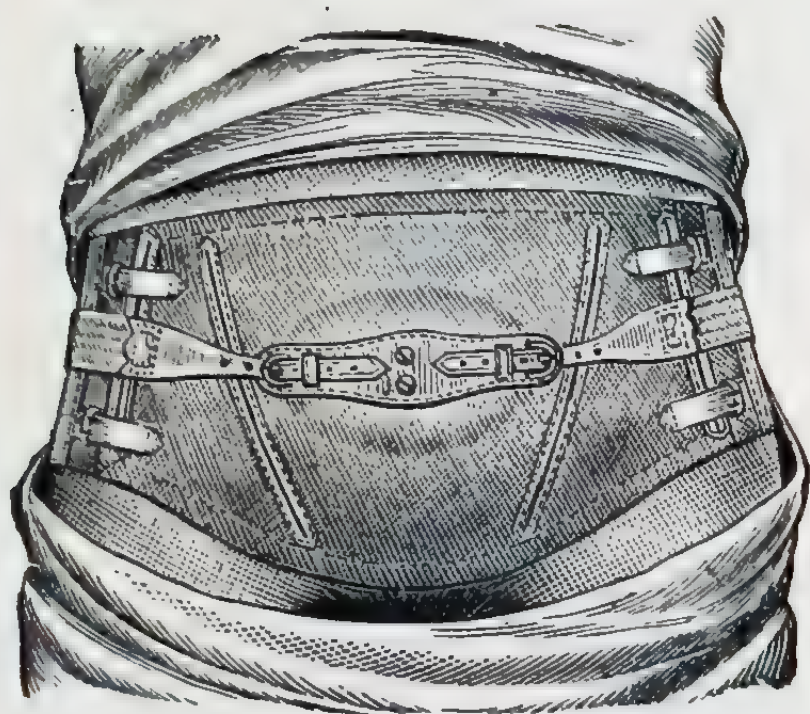
*H-660 Wristlet.
*H-665 Wristlet, mitten.
*H-675 Shoulder Cap.
*H-680 Garter Leggings, full laced, half laced.
*H-685 Garter Stockings, full laced, half laced.
*H-690 Knee Stockings, full laced, half laced.
*H-695 Thigh Stockings, full laced, half laced.
*H-700 Knee Caps, full laced.



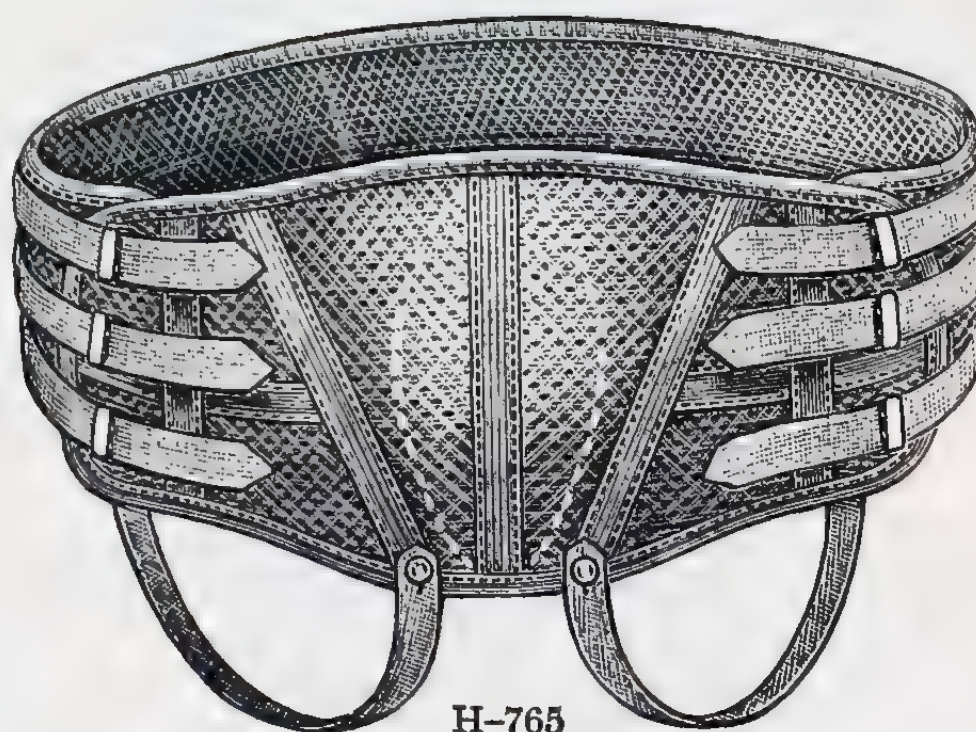
H-750



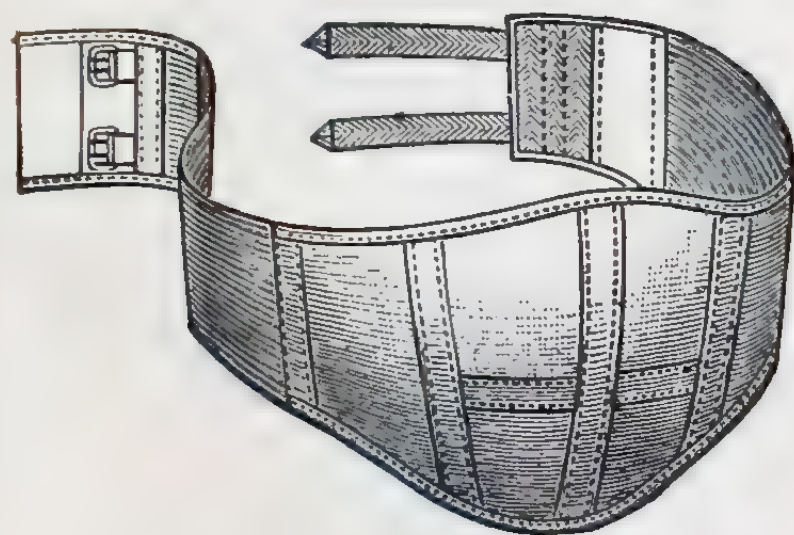
H-755



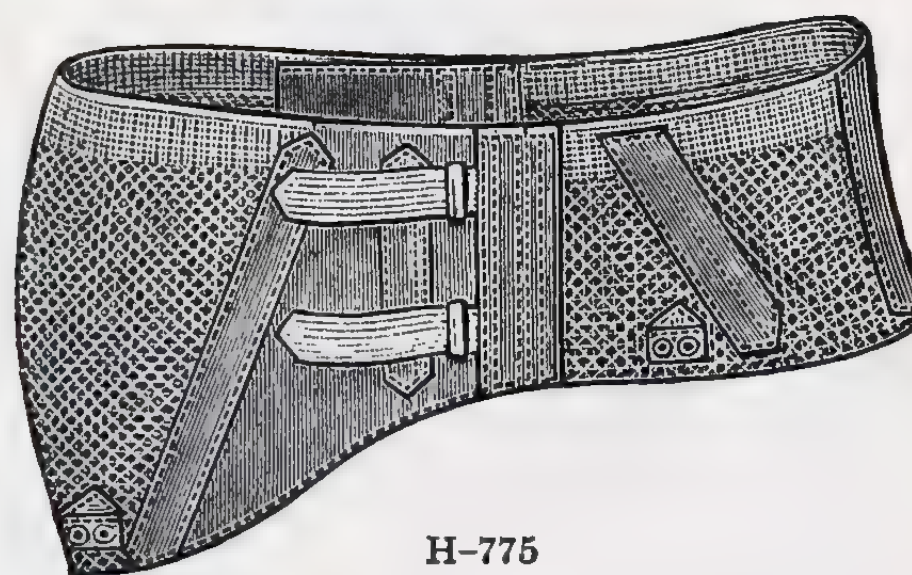
H-760



H-765



H-770



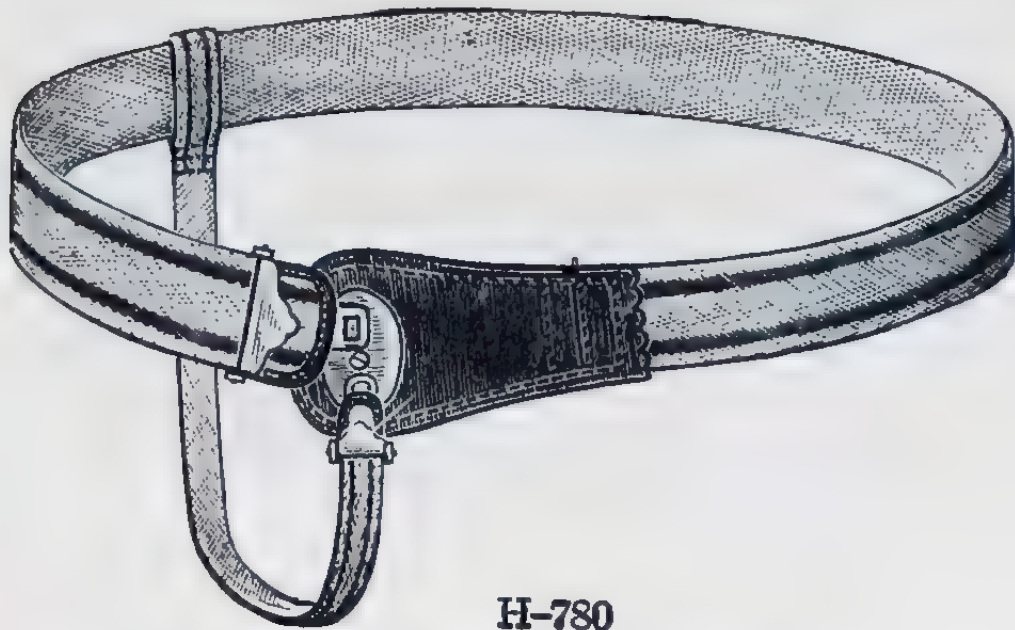
H-775

Abdominal Supporters

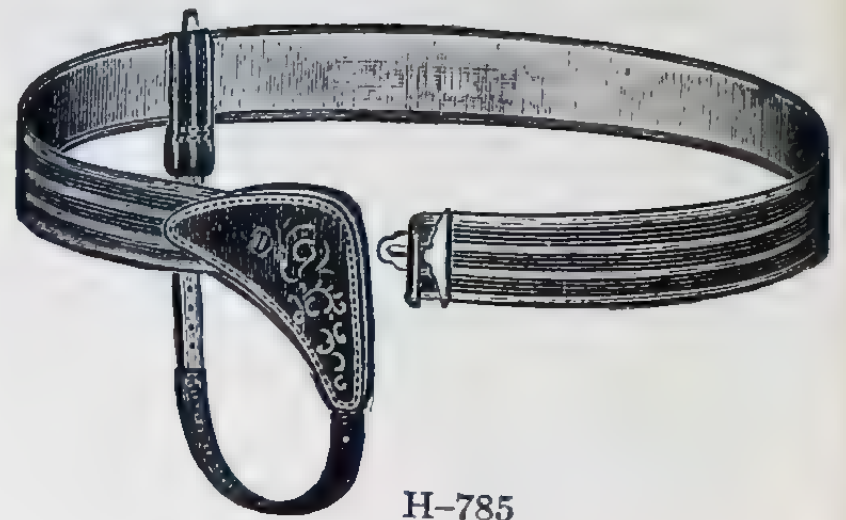
- H-750 Abdominal Supporter, all elastic; laced in back.
- H-755 Abdominal Supporter, all elastic, buckled at sides.
- H-760 Combination Umbilical Supporter and strong Elastic Umbilical Truss.
- H-765 Abdominal Supporter, Este's, for post-operation.
- H-770 Abdominal Supporter, mole cloth, sizes 26 to 36 inches, buckled in back or on sides.
- H-775 Abdominal Supporter, part rigid and part elastic, buckled at sides.

Special Supporters made to order

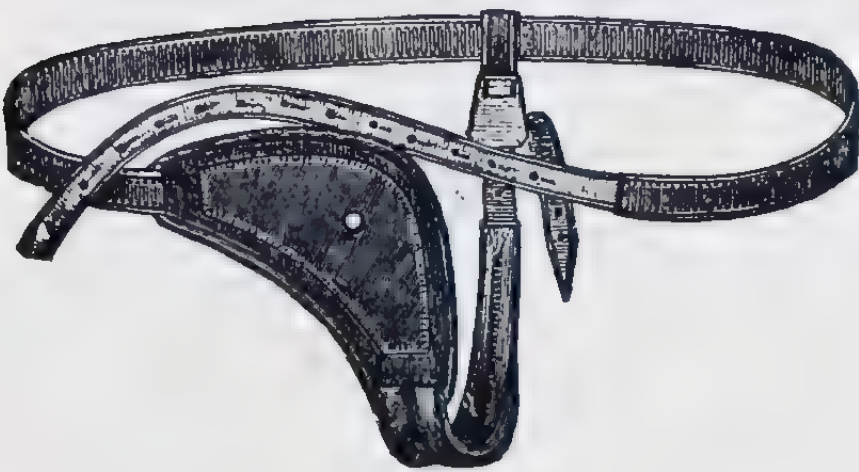
Correspondence is invited. Detailed directions for measurements sent on request.



H-780



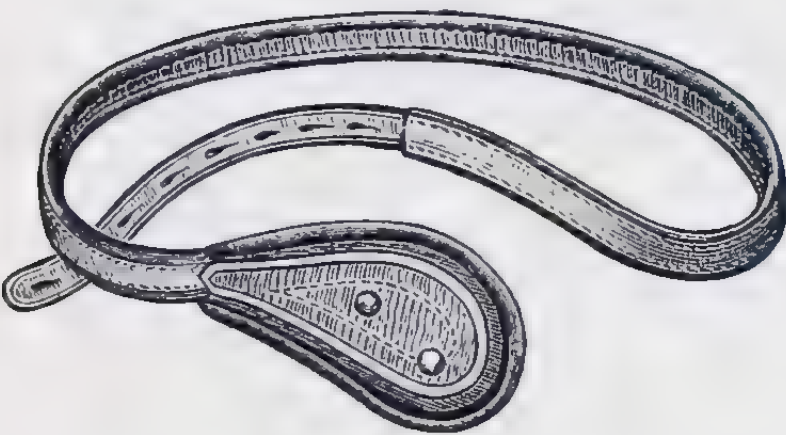
H-785



H-790



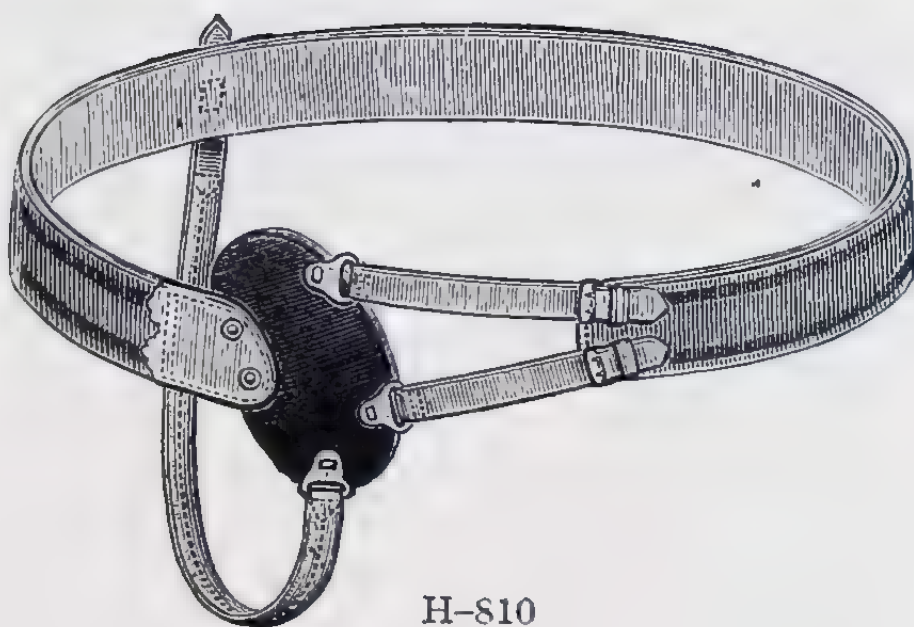
H-795



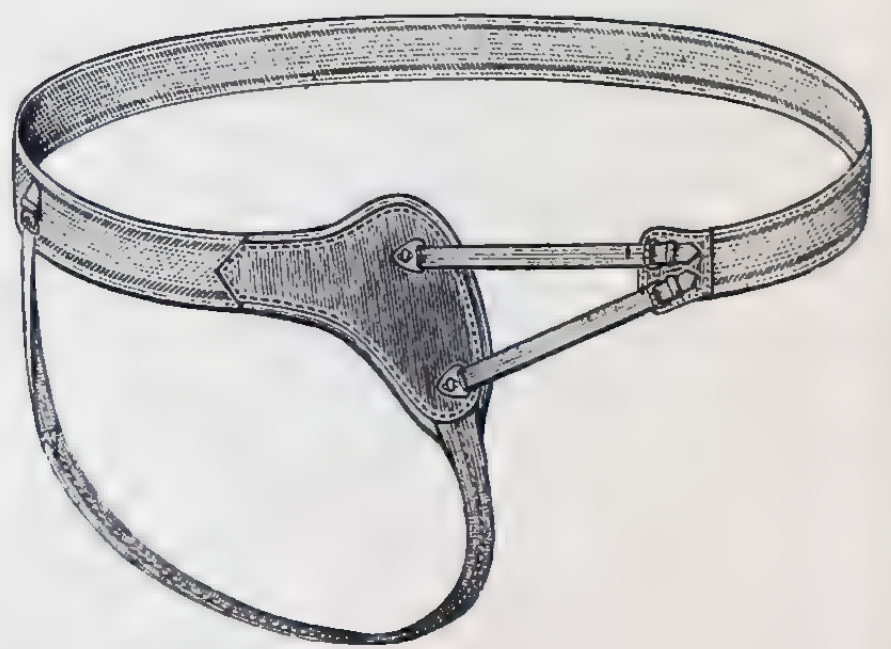
H-800



H-805



H-810

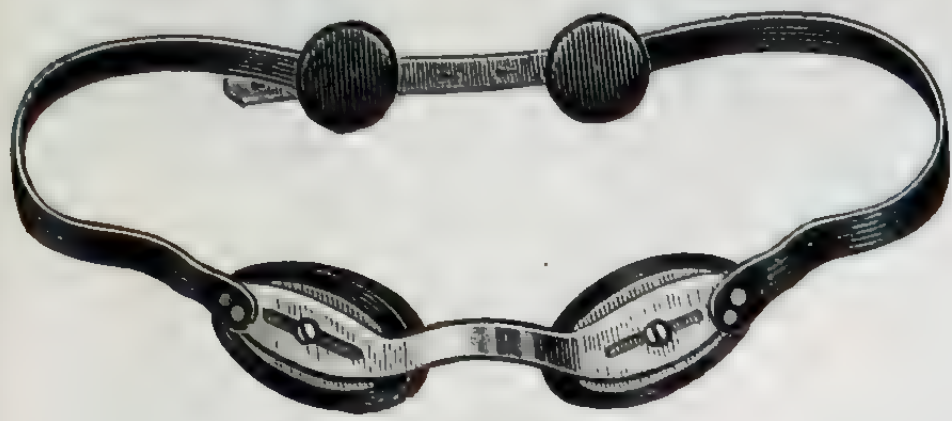


H-815

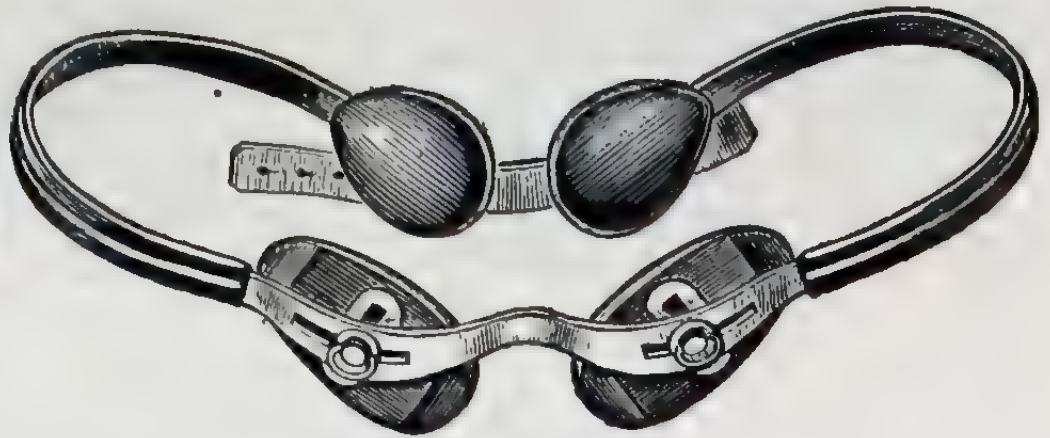
Trusses

- H-780 Elastic Truss, single, reversible.
- H-785 Elastic Truss, scrotal, specify right or left side.
- H-790 Rhenish Truss, scrotal, leather covered, specify right or left side.
- H-795 French Adjustable Truss, leather covered, single, specify right or left side.
- H-800 French Truss, single, specify right or left side.
- H-805 **Chase's** Genuine Truss, single, leather covered, specify right or left side.
- H-810 Post-operation Truss, elastic, applied from the operated side.
- H-815 Post-operation Truss, elastic, Estes, applied from the operated side.

Specify whether right or left, and circumference.



H-820



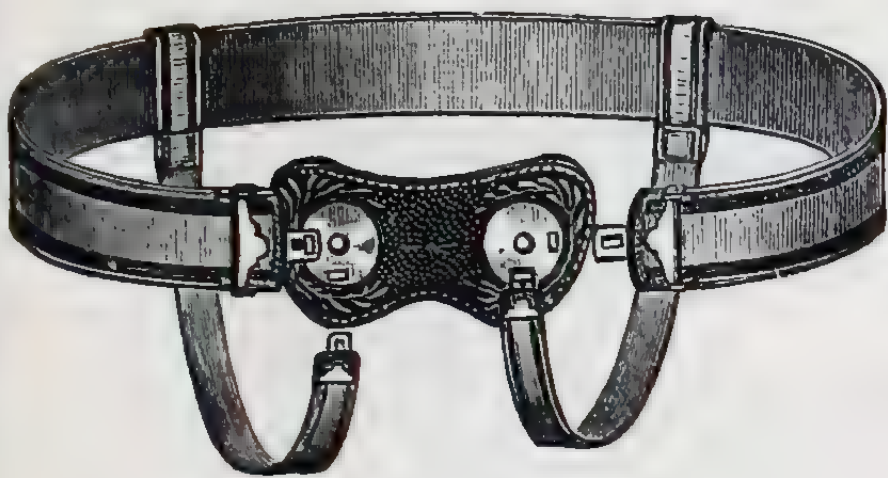
H-825



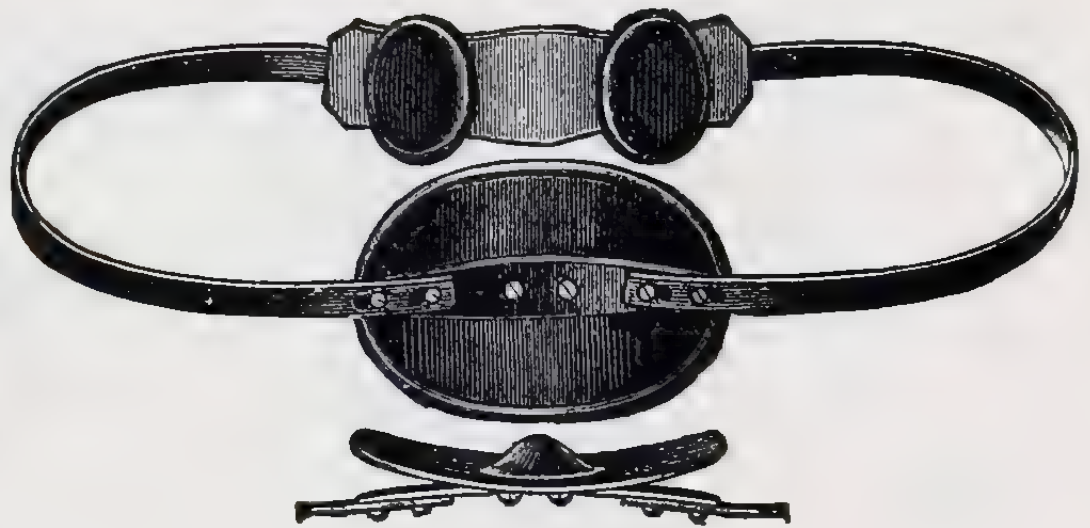
H-830



H-835



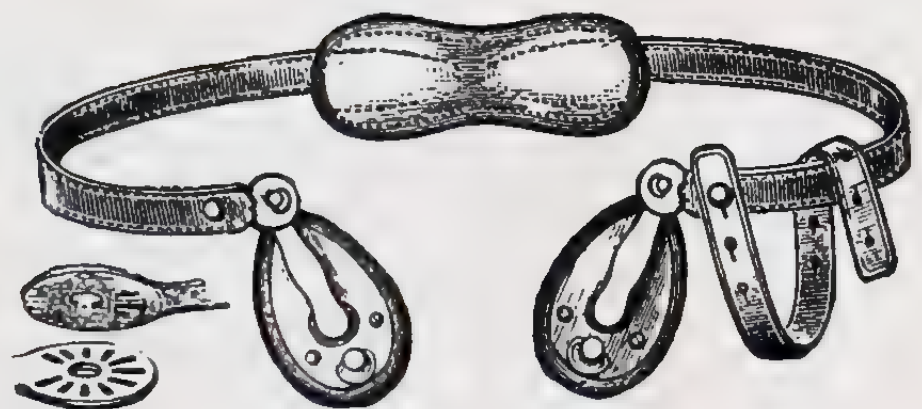
H-840



H-845



H-850



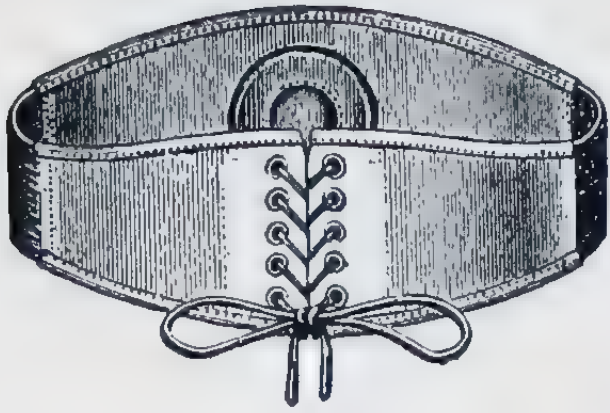
H-855

Trusses

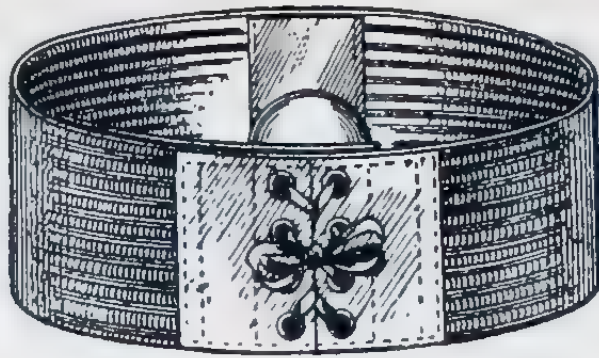
- H-820 **Hood's** Truss, hard rubber, single or double.
- H-825 **Hood's** Truss, leather covered; single or double.
- H-830 French Truss, leather covered; double.
- H-835 French Adjustable Truss, leather covered, double.
- H-840 Elastic Truss, double.
- H-845 Umbilical Truss, elliptic spring.
- H-850 Post-operation Truss, adjustable, hard rubber.
- H-855 Set-Screw Truss, leather covered, double.

Specify whether double, right or left, also circumference.

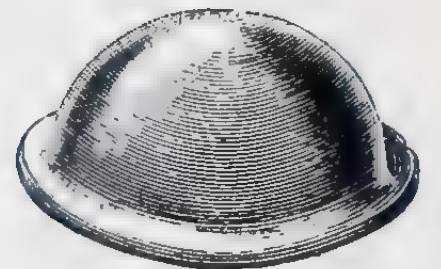
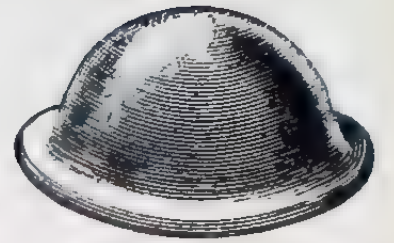
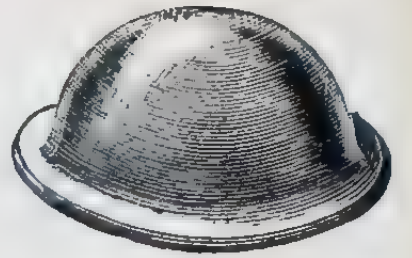
STANDARD SURGICAL INSTRUMENTS



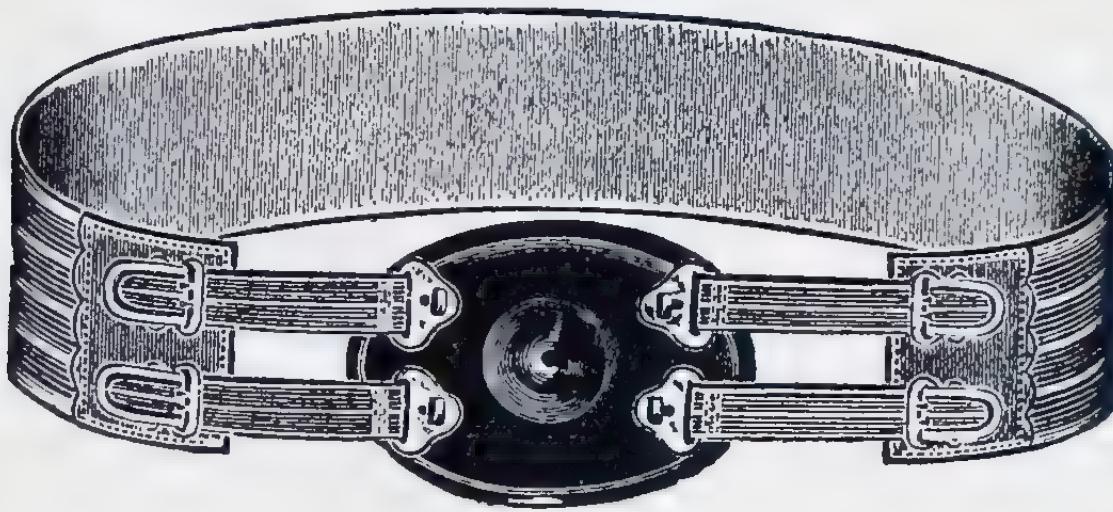
H-880



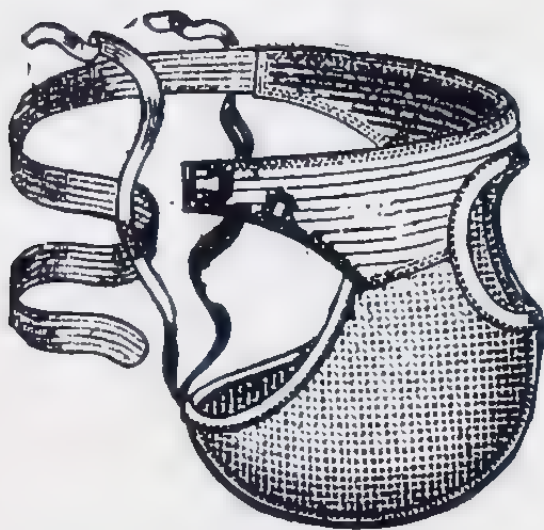
H-875



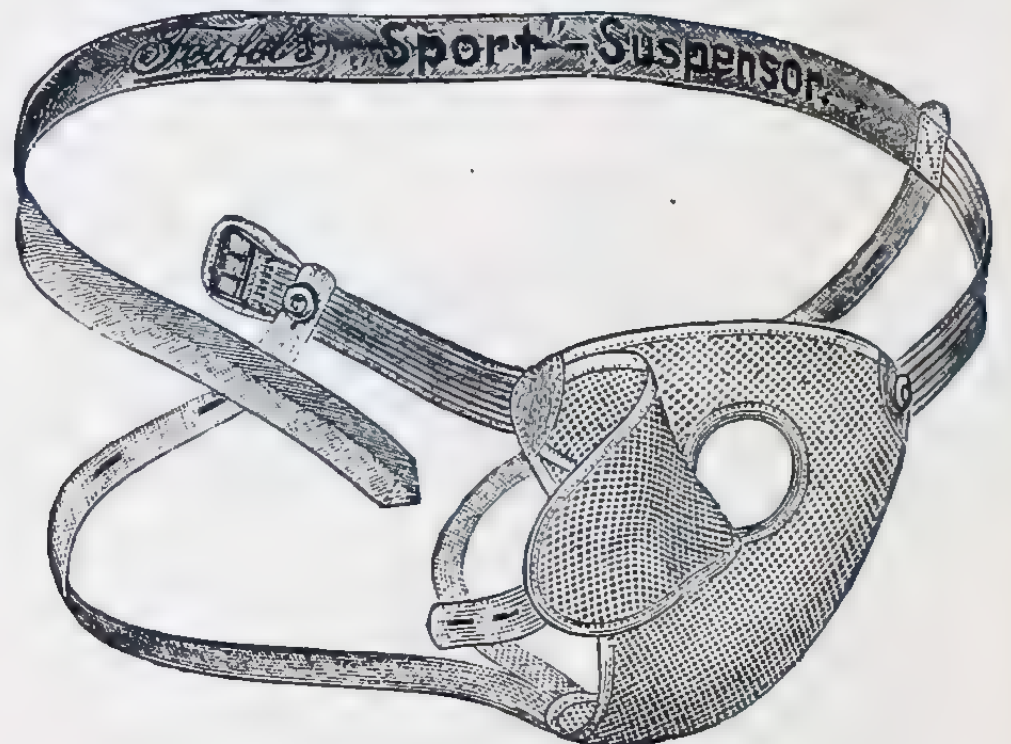
H-885



H-865



H-902-903



H-910-911-912

Umbilical Trusses and Suspensories

Umbilical Trusses

- *H-860 Elastic, leather pad, adults.
- H-865 Elastic, hard rubber pad, adults.
- *H-870 Bow, French pattern, hard rubber, adults.
- H-875 Elastic, to lace, child's.
- H-880 Elastic sides, sateen front and back, to lace, child's.
- H-885 Umbilical Buttons, aluminum, 3 sizes (illustration shows full size).
- *H-890 Umbilical Pads, hard rubber, small, medium or large center pads.

Suspensories

- *H-900 Suspensory, lisle, drawstring.
- *H-901 Suspensory, silk, drawstring.
- H-902 Suspensory, lisle, elastic bands.
- H-903 Suspensory, silk, elastic bands.
- H-910 Teufel's "Sport," 3 sizes, cotton.
- H-911 Teufel's "Sport," 3 sizes, cotton and silk bound.
- H-912 Teufel's "Sport," 3 sizes, all silk.

Scrotal Compressors

- *H-920 Miliano's, thread.

STANDARD SURGICAL INSTRUMENTS

	Page		Page
A		Anastomosis button introducing forceps ...	273
Abdominal drainage tubes	158-159	" clamps, intestinal.....	273-276
" irrigating tubes.....	159	" forceps, intestinal.....	273-276
" needles.....	129-135, 138-139	" staff, vein.....	37
" packers.....	277	Anatomical stamps	58
" suction tubes.....	159	Anderson's antrum punches	209
" supporters.....	389, 392	" screw driver.....	119
Abortion curettes	316-317	" sphenoid punch.....	209
Abraham's antrum burr	222	" nasal applicators.....	189-203
" " reamer.....	222	Andrews' ethmoid knife	223
" " syringe.....	226	" mastoid chisels and gouges.....	193
" nasal dissectors and elevators.....	217	" " retractor.....	199
" tonsil curette.....	251	" nasal applicators.....	203
" " forceps.....	253	" " chisels.....	210
" " knives.....	256	" pneosteotome.....	198
Abcess knives	73	" sphenoid canula.....	223
" lancets.....	73	" " knife.....	223
Absorbent cotton	164	" " probe.....	223
" gauze.....	164	" stone searcher.....	306
Ace bandages, cotton elastic	386	" tongue depressor.....	248
Acme stethoscope	11	" tonsil forceps.....	253
Acne lancet	244	Anel's lachrymal probe	182
Acoumeter	185	" " syringe.....	23
Actual cautery copper	148	Aneroid sphygmomanometers	7
" " gas stove.....	148	Aneurism needles	71-99
" " irons and accessories.....	148	Angiotribe forceps	74
Adam's dry dissector	115	Anglin's urethral retrojectors	291
" iris knife.....	173	Ankle supporters	374
" rectal cooler.....	297	Antitoxin needles, injection	30-31
" septum straightening forceps.....	220	" syringes.....	17-21
Adapters for syringes	30-31	Antrum burrs	222
Adenoid curettes	227-229	" canulae.....	225
" forceps.....	230-231	" chisels and gouges.....	222
Adenotomes	227-229	" curettes.....	222
Adhesive plaster	164	" drills.....	222
Advancement forceps	176	" illuminators.....	242-243
Aesthesiometers	9	" punches.....	209
Agnew's canalicula knife	172-173	" rasps.....	224
" iridectomy knife.....	172-173	" reamer.....	222
" lachrymal syringe.....	23	" saw.....	222
" tattooing needle.....	175	" syringes.....	226
Air bags	185	" trocars.....	222
" beds and cushions.....	367	Apparatus, anaesthesia	65
" compressors.....	236-238	" blood testing.....	50-53
" pumps.....	235-238	" " transfusion.....	38
" tank.....	235	" bunion.....	373
Airways, anaesthesia	62	" Dakin solution.....	36
Albarran's supra pubic retractor	308	" empyema.....	158
Albee's bone set, electric	124	" extension, bone.....	114
Albuminometers	54-55	" laboratory.....	45-47
Alcohol lamps	49-148	" laerm (noise).....	185
" lamp, for thermo cautery.....	148	" orthopedic.....	372-379
Alderdyce's tonsil dissector	251	" pneumo-thorax.....	158
Alexander's chisels and gouges, mastoid	193	" blood pressure.....	7-8
Alexandre's protector, dura	122	" saline infusion.....	34-35
Allen's applicators	189	" suspension.....	381
" prostatectomy knife.....	298	" traction, bone.....	113-114
" septum knife.....	210	" urine analysis.....	54-55
" uterine elevating forceps.....	321	Apparitor auris	100, 200
Allis' dry dissector	115	Appendix tuckers	227
" inhalers.....	63	Applicators, ear	189
" intestinal forceps.....	82	" laryngeal.....	264
" tissue forceps.....	82	" nasal.....	203
Allport's ear syringe	192	" rectal.....	284
" eustachian burrs.....	193	" urethral.....	289, 308
" gauze packer.....	189	" uterine.....	313
" incus hook.....	191	Aprons, laboratory and operating	166
" mastoid gouges.....	193	Arch supporters	373
" " knife.....	198	Argand burner gas bracket	238
" " retractor.....	199	Arlt's eye scoop	174-175
" pneosteotome.....	198	" lachrymal scissors.....	181
" tonsil knives.....	256	Arsphenamine outfits	33
Alter-Jenning's mouth gags	249	Artery forceps	74-81
Aluminum bronze wire	144	Arterial needles, suture	131, 137
Ampliphone, stethoscope	12	Arthrometer	9
Amputating cases	157	Arthur's pocket case	151
" knives.....	73	Artificial anus, receptacle for	285
" saws.....	117-118	" limbs.....	380
Anaesthesia accessories	60-65	" tympanum.....	200
" airways.....	62	Asbestos chimney	170
" apparatus.....	65	Asch's nasal dissector	217
" gags.....	61	" septum forceps.....	221
" inhalers.....	62-64	" " splints.....	215
" mouth hooks.....	62	Ashton's perineal needle	138
" syringes, spinal.....	25	Aspirating needles	30
Anastomosis buttons	273	Aspirators	22

STANDARD SURGICAL INSTRUMENTS

	Page
Aspirator, bronchoscopic	269
“ cataract	182
“ stomach	272
Aspirating syringe	22
“ trocars	147
Atomizers	233-234
Atlee's uterine dilator	318
Audiphones	200
Aural instruments	185-200
“ syringes	27, 192
Auricles	200
Automatic blood lancets	52
Automatic cut-offs	290
Auto-ether cautery	148
Auvard's vaginal speculum	312
Aveling's blood transfusion canula	36
Axis traction forceps, obstetric	334-335
“ “ hooks, “	337
Ayre's urethral tablet depositor	289

B

Baader's tattooing needle	174-175
Babcock's vein stripper	100
“ milk bottle	53
Baby incubator	341
“ scales	14, 340
Back rests	367
Backhaus' towel forceps	86
Bags, air	185
“ ice	366
“ leather	342-343
Bainbridge's tissue forceps	82
Baird's phimosis forceps	285
Baker's nasal snare	213
Balfour's retractor	97
Ball pessaries	332
Ballenger's antrum burr	222
“ ethmoid curette	223
“ mastoid burrs	193
“ mucosa knife	219
“ nasal gouge	210
“ “ specula	214
“ pereosteotome	198
“ swivel knives	210
“ turbinate knives	220
“ tonsil forceps	253
“ “ knives	256
“ “ sponge forceps	255
Ballenger-Foster's septum cutting forceps	221
Ballenger-Hajek's dissectors	217
Ballenger-Murphy's septum knife	219
Balsam bottles	49
Bandage rollers	160
“ scissors	161-162
Bandages, elastic cotton	386
“ gauze	164
“ plaster paris	164
“ roller	164
“ suspensory	392
Bane's mastoid rongeur	196
Bang's whalebone filiform bougie	292
Barany's Laerm apparatus	185
Bard-Parker knives	69
Barker's spinal anaesthesia needle	25
Barnes' colpeurynters	333
Barnes-Simpson's obstetric forceps	334
Barnhill's adenoid curettes	227
“ mastoid rongeur	196
Barr's fixation forceps	178
Barrett's appendix tucker	277
“ haemostatic forceps	74
“ placenta forceps	339
“ tenaculum forceps	322
“ tissue forceps, intestinal	82
“ uterine elevating forceps	321
“ uterine knives	327
“ uterine packing forceps	314
Barret-Murphy's intestinal tissue forceps	82
Barth's mastoid curettes	194
Barthelemy's syringes	20-21
Bartlett's acoumeter	185
Bartrina's catheters	301
Basins	362
Basiotribes	336
Basswood splints	381
Bath cabinets	371

	Page
Baths, eye	183
Batteries, cautery, transformer	348-349
“ galvanic and faradic	346
“ diagnostic light	243, 350
“ tungsten lamp	243, 350
Baumanometers	8
Baunscheidt's scarifyer (Lebenswecker)	57
Bausch & Lomb microscopes	39
Baum's tonsillectome	262
Beakers	48-49
Beard's cystotome	173
“ enucleation knife	172-173
“ eye speculum	171
“ lid forceps	177
“ lid knife	172-173
Beck's abdominal spoon	100
“ adenoid curettes	227
“ ear drain	192
“ hoe and knife	217
“ nasal speculum	214
“ paraffin syringe	25
“ tonsil haemostat	252
“ “ knives	256
“ tonsillectome	260
Beck-Schenck's tonsil snare	260
Beckmann's adenoid curettes	227
“ nasal scissors	212
“ “ specula	201
Bed pans	364
“ rests	382
Beds, air and water	367
Bedside tables	367
Bedford's perforator	337
Beebe's vaginal speculum	312
Beer's cataract knives	172-173
“ iris needles	172-173
Behan's empyema outfit	158
Belajew's trachea retractor	267
Bellevue hospital nurse's case	155
“ sponge forceps	88, 315
Benique's catheter guide	300
“ dilating sounds	292
Bennett's inhalers	62-63
Berger's loupe	170
“ tongue forceps	67
“ urethral irrigator	289
Bergmann's lithotomy forceps	307
“ plaster bandage saw	162
Berkefeld's filters	47
Bernay's packer	313
Bernheim's blood transfusion canula	36
“ “ “ forceps	37
Berry's uterine elevating forceps	321
Bezold's antrum canulae	225
“ tuning fork	186
“ whistle	186
Bier's hyperemia suction apparatus	56
“ spinal anaesthesia needle	25
“ record spinal anaesthesia syringe	25
Bigelow's evacuator	306
“ lithotrite	306
Bigg's bunion apparatus	373
Billroth's ligature needle	138
“ retractors	94
“ tumor forceps	324
Birch's trocar	146
Birmingham's nasal douche	232
Bishop's ice bag	199
“ mastoid chisels and gouges	193
Bismuth syringes	28
Bistouries, ear	191
“ general operating	68-73
“ pocket case	149
“ tonsil	256
Blackwell's elevators	219
Bladder forceps	307
“ syringes	28
Blake's ear forceps	190
“ “ snares	192
“ gall bladder forceps	277
“ secondary knife	173
“ uterine curettes	316
Blake-Lysle's splint	382
Blanchard's prostatic cooler	297
Blitz's enucleation forceps	177
Blizard's lithotomy knife	71
Blood lancets	52-53

INDEX

STANDARD SURGICAL INSTRUMENTS

	Page		Page
Blood needles	53	Boxes, fracture	381
" pipettes	50	Boxwood mallets	102
" testing apparatus	50-53	Boyd's hernia director	99
" transfusion instruments	36-38	Boynton's eye needle holder	181
Blot's perforator	337	Bozeman's uterine douches	320
Blow pipes, dissecting	3	" " dressing forceps	314
Bodenhammer's rectal specula	282	" " scissors	328
Boehm's salvarsan outfits	32	Bozeman-Fritsch's uterine douche	320
Boekel's automatic cut-off	235	Braasch's cystoscopes	303
" light condensers	238	" median bar excisor	288
Boettcher's tonsil forceps	255	" urethroscope	288
" " haemostat	252	Brace, shoulder	378
" " hook	252	Bracket, gas	238
" " scissors	259	Bradford's splints	382
Boisliniere's obstetric forceps	334	Braided silk	143
Boldt's blood lancet	52-53	Brainard's bone drill	105
" placenta forceps	339	Brain knives	3
" uterine curettes	316	" retractor	123
Bolton's pile pipe	280	" spatulae	122
Bonafont's ear speculum	188	Brand's eye speculum	171
Bond's placenta forceps	339	Brandegge's adenoid forceps	230-231
Bone chisels and gouges	101, 193	Braun's celluloid yarn	143
" curettes	103-104	" cephalotribe	336
" cutting forceps	107	" cranioclast	336
" drills	105, 106, 121	" embryotomy knives	338
" elevators	119	" obstetric colpeurynter	333
" engines, electric	124	" " hooks	337
" extension instruments	119	" " forceps	334
" gouging forceps	109, 196-197	" tenaculum forceps	322
" holding clamps and turnbuckles	112-113	" trephine perforator	337
" " forceps	110-111	" uterine syringe	27, 316
" nails	120	Brawley's antrum rasp	224
" needles, suture	246	" frontal-sinus rasp	224
" plates	120	" suction apparatus	226
" plate holding forceps	119	Breast developers	57
" saws	117-118	" pumps	57
" screws	120	Breathing appliances	386
" shears	108	Breisky's pelvimeter	340
" skids	119	Bresgen's frontal sinus canula	225
" spikes	120	Brewer's blood transfusion canula	36
" traction apparatus	113-114	" empyema drainage tubes	158
" wire, silver	119	" vaginal specula	312
" wax, sterile	145	Brigg's phimosis forceps	285
Bones, human	58	Brinkerhoff's rectal specula	281-282
Bonney's needles	131	Bristle probangs	266
" tissue forceps	84	Bronchoscopes	268-270
Booger's urethral nozzle	290	Bronchoscopic forceps	269, 270
Bossi's obstetric dilators	333	" instruments	266, 268-270
Boston's adenoid curettes	227	Brophy's cleft palate instruments	245-246
Bosworth's head band	239	Brown's dissector and hoe	217
" nasal saw	211	" ear applicators	189
" " snare	213	" " specula	188
" " specula	201	" " spout	192
" tongue depressor	248	" laryngeal syringe	264
Bottles, balsam	48-49	" sphygmomanometer	8
" chloroform and ether dropping	60	" tonsil snare	260
" drop, laboratory	48-49	" urethral heating sounds	293
" eye, drop	183	" " speculum	286
" milk	53	Brown-Buerger's cystoscopes	303
" reagent	49-49	Bruening's nasal forceps	205
" salvarsan mixing	33	Bruns' chisels and gouges	3, 101
" solution, hospital	362	" curettes, bone	103
Bottle pads for leather bags	343	Brunner's intestinal forceps	274
Boucheron's ear specula	188	Buchanan's operating table	353
Bougies, esophageal	271	Buck's ear curettes	189
" eustachian	185	" " knife	191
" filiform	292	" " probe	189
" French	294	" mastoid curettes	194
" nasal	185	" " knife	198
" rectal	280	" " raspatory	198
" urethral, gum elastic	294	" vesical trocar	147
" " metal	292	Buckets, duodenal	272
" whalebone filiform	272	" white enamel	363
Bow pessaries	331	Bucklin's nasal saw	211
" saws	117	Buckstein's duodenal tube	272
Bowles' stethoscopes	12	Budd's placenta forceps	339
Bowman's canalicula knives	172-173	Bulbs, thermo-cautery	148
" cataract aspirator	182	Bullet forceps	125
" corneal trephine	182	" probes	125
" iris needles	173	Bumstead's urethral syringe	26
" lachrymal canula	182	Bunge's eye scoop	174-175
" " probes	182	Bunion apparatus	373
" " styles	182	Bunnell's stopper for blood pipette	52-53
" strabismus scissors	181	Bunsen burners	45
Boxes, iodoform	160	Bunt's forceps ring or holder	81
" microscopic slide	40	Burch-Allport's mastoid retractor	199
" needle	128, 362	Burettes and accessories	48-49

STANDARD SURGICAL INSTRUMENTS

	Page		Page
Burners, Bunsen	45	Catheters, double current, metal	302
“ electro cautery	347	“ English, gum elastic	300
“ thermo cautery	148	“ eustachian	185
Burn dressing	164	“ male, metal	302
Burnett's otoscope	187	“ French, gum elastic	301
Burrell's septum shave	210	“ guides for	300
Burrs, antrum	222	“ holders for, glass	300
“ eustachian	193	“ self-retaining, male	300
“ mastoid	193	“ “ female	302
Burt's uterine curettes	316	“ soft rubber	300
Buttle's inhaler	185	“ ureteral	308
“ scarifier knife	327	Catling knives	73
Buttons, intestinal anastomosis	273	Caustic pencils	183
“ umbilical	392	Cautery, auto-ether	148
C		“ bulbs for	148
Cabinets, bath	371	“ burners, electric	347-348
“ dressing and instruments	356	“ “ Paquelin	148
“ specialist's	354	“ cords, electric	347
Calibrator, urethral	308	“ handles, electric	347
Calvarian hooks	4	“ knives	148, 347-348
Camman's stethoscope	11	“ thermo, Paquelin	148
Campbell's cotton reservoir	203	“ transformers	348-349
Canalicula knives	172-173	Cavana's vaginal speculum	312
Canulae, antrum	225	Cayo's salvarsan outfits	32
“ blood transfusion	36-37	Cellosilk	164
“ exploring	225	Celluloid yarn	143
“ frontal sinus	225	Centrifuges	52-53
“ infusion	35	“ accessories for	52-53
“ lachrymal	182	Cephalotribes	336
“ sphenoidal	223, 225	Cervical dilators	318-319, 330
“ stems for laryngeal tips and uni- versal handle	266	“ knives	327
“ tracheal	267	“ needles	131-133, 136, 138-139
Capital saws	117-118	Chadwick's pterygium scissors	181
Cap, knee	376	Chain hooks	3
Caps, surgeons' and nurses'	166	“ saws	171
Capsular forceps	176	Chairs, rolling, invalid	368
Cardiograph	10	Chalazion curettes	147-175
Carmalt's haemostatic forceps	74	“ forceps	177
“ hysterectomy forceps	325	Chamberlain's placenta forceps	339
“ splinter forceps	85	“ uterine douches	320
“ tongue forceps	67	Chambers' stem pessaries	331
Carmody's frontal sinus curette	223	“ “ “ introducer	331
Caro's urethral speculum	286	Champetier de Ribes' colpeurynters	333
Carotid clamps	37	Chapman's water suction pumps	159
Carpenter's tonsil knife and dissector	251	Charlton's antrum trocar	222
Carr's cranial drill	121	Charriere's saws	4, 117
“ “ haemostat	123	Chase's trusses	390
Carrell's apparatus for Dakin solution	36	Chatelaine cases, nurses'	156
“ arterial needles	131	Chatellier's adenoid forceps	230-231
“ blood transfusion canula	36	Chemical thermometers	48-49
“ “ “ forceps	37	Chetwood's cut-off	290
“ vein dilator	37	“ rectal douche	280
Carroll's aesthesiometer	9	“ urethral nozzle	289
Carsten's needles, cervical	138	Child's tissue forceps	82
“ “ perineal	138	Chimney, asbestos	170
“ otoscope, electric	187	Chisels, antrum	222
“ pelvimeter	340	“ bone	101
“ stethoscope	12	“ cranial	121
Carter's bridge splint, nasal	215	“ frontal sinus	223
“ elevator	217	“ mastoid	193
“ introducer, vitreous spheres	184	“ nasal	210, 223
“ nasal specula	214	“ post mortem	3
“ tonsil tenaculum	252	Chismore's evacuator, lithotomy	306
Cartilage knives	2	Chloroform bottles, dropping	60
Cases, amputating	157	Chloroform inhalers	62-64
“ dissecting	5	Churchman-Beck's tonsillectome	260
“ medicine	344	Cilia forceps	178
“ needles	128	Circumcision instruments	285
“ nurses'	155-157	Cittelli's mastoid rongeur	196
“ operating	157	Clamps, anastomosis, intestinal	273-276
“ pocket	150-155	“ angiotribe	74
“ post mortem	6	“ artery	74-81
“ thermometer	16	“ blood transfusion	37
“ urine analysis	55	“ bone holding	112-113
“ vial	344	“ “ plate holding	119
Casselberry's nasal scissors	212	“ burette holding	45
“ tonsil forceps	253	“ fracture	112
* Cataract aspirator	182	“ funis	340
“ knives	172-173	“ haemorrhoidal	283
“ masks	184	“ haemostatic	74-81
“ needles	173	“ hysterectomy	325-326
Catchers, coin	266	“ kidney	278
Catgut, dry	143-144	“ intestinal	273-276
“ sterilized	145	“ laboratory	45
Catheters, female, metal	302	“ parametrium	326
		“ pedicle	326
		“ pile	283

STANDARD SURGICAL INSTRUMENTS

	Page		Page
Clamps, penis	289	Corneal spuds	174-175
“ pylorus	276	“ trephines	182
“ scrotal	308	Cornet's cover glass forceps	42-43
“ septum	204-205, 220	Cornets, ear	200
“ stomach	274-276	Corsets, spinal	378
“ tonsil haemostatic	252, 255	Corwin's tonsil haemostat	252
“ towel	86	Costotome	3
“ transfusion	37	Cotton, absorbent	164
“ umbilical	340	“ carriers	269
“ urethral compression	289	“ elastic bandages	386
“ vaginal	326	“ reservoirs	183, 203
“ vessel, kidney	278	Counting chambers, haemacytometer	50
“ wound	141	Cover glass forceps	42-43
Clark's perineal needle	138	“ glasses	40
Clark-Brunn's tendon tucker	171	Covers for urethral dilators	296
Clayton's cornets, ear	200	Coxeters prostatic catheters	302
“ hearing horn	200	Cozzolini-Allport's mastoid forceps	196
“ pessaries	331	Craig's tonsil scissors	259
Cleft palate needles	134	Cranial cutting forceps	109
“ “ instruments	000	“ drills	121
Cleveland's ligature carriers	140	“ haemostats	123
Climax uterine douche	320	“ wire saw conductor	118
Clinical thermometers	15-16	Cranioclasts	336
Clip forceps	140	Craniotomy forceps	337
Clips, wound, and accessories	140-142	Criles' artery forceps	37
Clover's crutch	167	“ blood transfusion canula	36
Coakley's frontal sinus curette	223	“ “ “ forceps	37
“ light stand	238	“ carotid clamp	37
“ nasal speculum	202	“ dissector	245
“ transilluminator	243	“ needle holder	126
Coats, operating	165	Critchett's eye scoop	174-175
Cocaine solution cups	203	“ “ speculum	171
Coffin's suction apparatus	237	“ iridectomy knife	173
Cohen's adenoid forceps	230-231	Cross bones	58
“ laryngeal curettes	265	Cross' corneal trephine	182
Coil, ear	183	Crutches	386
Coin catcher	266	“ lithotomy	167
Colburn's ear syringe	192	Crypta knife	256
Cole's hysterectomy knife	327	Cube's laryngeal syringe	24
“ rectal douche	280	Cullen's uterine elevating forceps	321
Collin's bone fracture clamp	112	Cullom's tonsil dissector	251
“ dynamometer	9	“ “ forceps	253
“ gall duct forceps	277	“ “ haemostat	252
“ iris forceps	179	Cupping cups	56
“ nasal specula	201	“ pumps	57
“ pelvimeter	340	“ sets	56
“ retractors	94	Cups, cocaine solution	203
“ rib shears	108	“ cupping	56
“ tracheal forceps	267	“ drinking	364
“ tongue forceps	67	“ feeding	364
“ urethral forceps	307	Curettes, abortion	316-317
“ uterine elevating forceps	321	“ adenoid	227-229
“ vaginal specula	312	“ antrum	222
Collum's curettes	227	“ bone	103-104
Collyer's pelvimeter	340	“ chalazion	174-175
Colostomy pouches	285	“ dermal	244
Colpeurynters	333	“ ear	189, 194-195
“ forceps for introducing	333	“ ethmoidal	223
Colton's empyema drainage tubes	158	“ frontal sinus	223
“ lachrymal syringe	23	“ laryngeal	265
Comb, vaccinating	73	“ mastoid	194-195
Comedone extractors	244	“ nasal	210-211
Compressed air outfits	235	“ placenta	338
Compressors, shot	140, 330	“ rectal	284
“ scrotal	392	“ tonsil	251
Condensing lenses	170	“ urethral	308
Condensors, light	238	“ uterine	316-317
Conductors, wire saw	118	Current controllers	243, 350
Congo Paper	55	Curtis' adenoid forceps	231
Conjesters, penis	56	“ nasal saws	211
Connections, syringe	30-31	Cusco's vaginal specula	312
Connell's air way, anaesthetic	62	Cushing's brain retractor	123
Contagious disease gowns	166	“ “ spatula	122
Controllers, current	243, 350	“ cranial drill	121
Conversation tubes	200	“ vein retractor	123
Cook's pile clamp	283	Cushions, air	367
“ rectal specula	281-282	“ operating	360
Coolers, prostatic and rectal	297	Cutaneous punch	244
Cooling coil, mastoid	199	Cut-offs automatic	30, 235, 290, 361
Coplin's staining jars	48-49	“ “ irrigator	30, 361
Copper, actual cautery	148	“ “ urethral irrigator	290
Cords, cautery	347	Cutter-Thomas pessaries	331
Corde's curette tip, laryngeal	266	Cylinders, salvarsan	33
“ ethmoid punch	209	Cystocele pessaries	332
“ sphenoid punch	209	Cystoscopes	303-305
Corelysis hook	175	Cystotomes	173
Corey's placenta forceps	339		

STANDARD SURGICAL INSTRUMENTS

D	Page	Dishes, evaporating	Page
Dahlgren's bone rongeur	109	" laboratory	48-49
Daland's haematocrit	52-53	Dissecting blow pipes	3
" salvarsan outfits	32	" cases	5
Dappen's solution jars	203	" chain hooks	4
Darby's bone rongeur	109	" forceps	3
Dann-Jenning's mouth gags	249	" knives	2
Dare's haemoglobinometers	51	" needles	4
Daviel's scoops	174-175	" probes	4
" spatula	174-175	" scissors	4
Davis' ligature needle	138	" seekers	4
Davol's tubing cut-off	30	" tenacula	2
Dawson's tenaculum scissors	328	Dissectors, nasal	216-219
Dean's frontal sinus curette	223	" prostatic	298
" tonsil knives	256	" submucous	216-219
" " scissors	259	" tonsil	251
" turbinate knife	210	Dittel's urethral forceps	307
Deaver's hysterectomy forceps	326	Dix's spuds, eye	174-175
" operating scissors	91	Donoghue's retractors	96
" retractors	95	" tenaculum forceps	322
DeGarmo's hernia needle	131	" tumor forceps	324
Delarosa's eye suture needles	173	" vulsellum forceps	323
De Lee's infant incubator	341	Doremus' ureameters	54-55
" sponge holding forceps	88	Double current catheters	302
" uterine dressing forceps	314	Douche pans	364
Delstanche's adenotome	227	Douches, ear	192
" masseur	185	" eye	183-184
Demarest-Sluder's tonsil guillotine	263	" nasal	232
Dench's tuning forks	186	" rectal	280
" whistles	186	" uterine	320
Denhart's mouth gags	61, 249	" vaginal	320
Denis' chalazion forceps	177	Douglass' antrum trocar	222
Dental forceps	247	" bandage roller	160
Depressors, prostatic	298	" cilia forceps	178
" tongue	248	" haemostatic tonsil guillotine	263
De Puy's splints	384	" measuring rod	14
Dermal instruments	244	" nasal snare	213
Dermatograph pencils	244	" stethoscope	12
De Roalde's adenoid curettes	227	" tonsil knife	256
" nasal speculum	201	" urine analysis test cabinet	55
Deschamp's ligature needles	138, 245	Douglass-Bozeman's uterine forceps	314
De Schweinitz's lachrymal syringe	23	Dowling's antrum illuminator	242
Desjardin's gall bladder scoops	277	Down's mastoid chisels and gouges	193
" " probe	99	" stethoscope	11
Desmarre's eyelid retractors	170	Downes' cautery transformers and knives	348
" entropium forceps	177	Doyen's abdominal needles	131
" paracentesis needle	172-173	" adenoid forceps	230-231
" scarifier	173	" bone rongeurs	109
Deutschmann's cataract knife	172-173	" cranial chisel	121
Developers, breast	57	" hysterectomy forceps	326
" penis	57	" intestinal forceps	274
De Vilbiss' atomizers	233-234	" mouth gags	61, 249
" cranial rongeur	109	" needles	131
" cut-off, automatic	235	" operating scissors	92
" eye irrigator	183	" polypus forceps	324
" powder insufflator	232	" raspatory	116
" nebulizers	234	" retractors	96, 327
" rectal speculum	282	" rib raspatory	116
" trephines	122	" rib shears	108
" vaginal specula	312	" skull saw	117
De Wecker's eye probe	174-175	" towel forceps	86
" iris scissors	180-181	" tumor screw	324
" scleratome	173	" vulsellum forceps	323
" tattooing needle	174-175	Doyen-Gelpi's perineal retractor	327
Dewee's obstetric forceps	334	Doyen-Kelly's vaginal retractors	327
Dewey's placenta curette and hook	338	Drainage tubes, abdominal	158-159
De Zeng's otoscope	187	" " empyema	158-159
Diagnostic instruments	7-16	" " esophageal	269
" tubes, ear	185	" " intestinal	158
Dickinson's tonsil dissector	251	" " mastoid	199
" " retractor	252	" " supra pubic	309
" " tenaculum	252	" " prostatic	298
Dilating sounds, urethral	292	Dressing forceps, ear	190
Dilators, esophageal	271	" " eye	178
" lachrymal	182	" " nasal	204, 206
" obstetric	333	" " thumb	84-85, 87
" prepuce	285	" " tonsil	255
" rectal	280	" " uterine	314-315
" tracheal	267	" scissors	328-329
" urethral	292-296	" sterilizers	357-358
" uterine	318-319	Dressings, surgical	163-164
" vein	37	Drills, antrum	222
Director and aneurism needle	99	" bone	105-106
" hernia	99	" cranial	121
" lithotomy	307	Drinking cups	364
" and tongue tie	99	Drop bottles, anaesthesia	60
Director, vein	37	Drop bottles, eye	183

STANDARD SURGICAL INSTRUMENTS

	Page
Drop bottles, laboratory	48-49
Droppers laboratory	183
Drop tubes, saline infusion	35
" " urethral	289
Drum, test, for eye instruments	184
Dry catgut	143-144
Drying oven, laboratory	46
Dudgeon's sphygmograph	10
Dudley's fixation forceps	178
Duffee's nasal snare	213
Dunn's eye dropper	183
Dunsmore's uterine scissors	328
Duodenal tips and buckets	272
" tubes	272
Duplay's polypus forceps	204
" uterine tenaculum forceps	322
Durham's elevator and dissector	115
" suture needles	258
" urethral retrojector	291
Dusters, iodoform	160
Dynamometer	9

E

Ear appliances for projecting ears	386
" applicators	189, 223
" bougies	185
" catheters	185
" cornets	200
" curettes	189, 194-195
" douches	192
" forceps	190
" instruments	185-200
" knives	191
" perforators	191
" probes	189
" snares	192
" specula	187-188
" spouts	192
" syringes	27, 29, 192
" trumpets	200
Earl's pile clamp	283
Eastman's vaginal retractors	327
Eastman-Richardson's retractors	95
Echols' traction apparatus, bone	113
Edebohl's leg holders	360
" operating cushions	360
Edebohl-Miller's vaginal specula	312
Edgar's uterine douche	320
Edmonton's bone extension tongs	114
Edward's rectal hook	284
Einhorn's duodenal tip	272
" saccharometers	54-55
Eissner's prostatic cooler	297
Elastic cotton bandages	386
" hosiery	387-388
Electric cautery burners	347
" cords	347
" handles	347
" current controllers	242, 350
" headlights	241
Electro-diagnostic illuminators	242-243, 350
" outfits	350
Electro-operative bone engines	124
Electrolysis instruments	349
Elevating forceps, kidney	278
" uterine	278
Elevators, bone	119
" mastoid	198
" nasal	216-219
" perosteal	115
" staphylorrhaphy	246
" submucous	216-219
" uterine	316
Elei counting chamber, blood	50
Elliott's craniotomy forceps	337
" corneal trephine	182
" obstetric forceps	334
" uterine dressing forceps	314
" elevator	316
Elsberg's blood transfusion canula	37
Embedding media, microscopic	41
Embryotomy knives	338
Emmett's cervical needles	131-132
" counter pressure hook	330
" ovarian trocars	146-147
" placenta curette	339
" uterine applicator	313

Emmett's uterine dressing forceps	314
" " scissors	328
" " tenacula	322
" wire twisting forceps	330
Empyema apparatus	158
" drainage tubes	158-159
Endoscopes, urethral	286
Engelman's placenta curettes	338
Engel's plaster bandage saw	162
English catheters and bougies	300
English tissue forceps	84
Entropium forceps	177
Enucleation forceps	177
" knives	172-173
" scissors	180-181
Enucleators, prostatic	298
" tonsil	251
Erlenmeyer's flasks	48-49
Esbach's albuminometers	54-55
E. S. I. Co. antrum illuminator	242
" cautery transformer	349
" current controller	243, 350
" cystoscopes	304
" diagnostic illuminators	242, 350
" electro-diagnostic outfits	350
" frontal sinus illuminator	242
" head light, electric	241
" laryngoscope	242
" mouth lamp, electric	242
" nasal speculum lighted	202
" otoscopes	187
" proctoscopes	281
" eye spud, lighted	175
" tongue depress, lighted	248
" Tungsten battery, light	243, 350
" urethroscopes	287-288
Esmarch's bone drill	105
" chloroform dropper	60
" inhaler masks	63
" irrigator cut-offs	361
" plaster bandage knife	161
" " shears	162
" tourniquet	126
Esophageal bougies	271
" dilators	271
Esophagoscopic instruments	268-271
Ether bottles, dropping	60
" inhalers	62-64
Ethmoid chisels	223
" curettes	223
" knives	223
" punches	209
Ethridge's haemostatic forceps	74
" hysterectomy forceps	326
Ethyl chloride	66
Eustachian bougies	185
" burrs	193
" catheters	185
" curettes	189
Evacuators, lithotomy	306
" stomach	272
Evans' nasal inhaler	232
Evaporating dishes	48-49
Eve's tonsil forceps	253
" snares	261
Ewald's stomach aspirator	272
" tubes	272
Ewing's fixation forceps	178
Exostosis knife	210
Exploring canulae	225
" trocars	146
Expressors, comedone	244
Extension apparatus, bone	114
" shoes	373
Extractors, Comedone	244
Extractors, tooth	247
Eye bath	183
" canulae	182
" droppers	182-183
" forceps	176-179
" gouges	175
" instruments	170-184
" irrigators	183-184
" knives	172-173
" needles, suture	132
" needle holders	181
" probes	175

STANDARD SURGICAL INSTRUMENTS

	Page
Eye scissors	180-181
“ scoops	175
“ shades	184
“ shields	184
“ specula	171
“ spuds	174-175
Eyelid retractors	170
F	
Faenger's probe	99
Falconer's arthrometer	9
Falta's trachoma forceps	179
Farabeuf's bone curettes	103
“ “ holding forceps	110
Farabeuf-Lambotte's bone holding forceps	110
Faradic batteries	346
Farka's tissue forceps	84
“ urethral speculum	286
Farlow's nasal probes	203
“ post nasal applicator	203
“ tongue depressor	248
“ tonsil punch	257
“ “ snare	261
Farlow-Boettcher's tonsil snare	261
Farrell's cotton reservoirs	203
“ septum splints	215
Faught's sphygmomanometers	7-8
Faulkner's ethmoid curettes	211
“ frontal sinus curettes	211
Fauvel's throat forceps	265
Feeding cups	364
“ tubes, nasal	272
Feilchenfeld's splinter forceps	85
Felizet's perineal needle	138
Felsenreich's axis traction forceps	334
Female catheters	302
Ferguson's angiotribe forceps	74
“ bone curettes	103
“ “ holding forceps	110
“ gall bladder scoops	277
“ haemostatic forceps	74
“ hysterectomy forceps	325
“ mouth gag	61, 249
“ needles, suture	132
“ operating scissors	92
“ prostatic cutting forceps	298
“ “ depressor	298
“ “ drainage	158, 289
“ “ staff	307
“ stem pessaries	330
Ferguson-Gwathmey's mouth gag	61, 249
Fermentation tubes	54-55
Ferroud-Thorner's intubation sets	271
Fibre mallets	195
Field tourniquet	126
File, septum	219
Filiform bougies	292
Filters, laboratory	47
Fish's antrum canula	225
Fisher's advancement forceps	176
“ capsular forceps	176
“ eye needle holder	181
“ eyelid retractors	170
“ iris forceps	179
“ lid forceps	177
Fistula knife, vaginal	327
“ needles, suture	130-132
“ scissors, vaginal	329
Fistulatome, rectal	284
Fitch's uterine sound	316
Fixation forceps	178
“ hooks	174-175
Flasks, laboratory	48-49
Fletcher's antrum punches	209
“ ethmoid-sphenoid punch	209
Fleurant's vesical trocar	147
Flint's percussor	9
Float, safety valve	238
Fluhrer's bullet probe	125
Foerster's capsular forceps	176
“ sponge forceps	89, 315
Foerster-Haslam sponge forceps	89, 315
Foil, silver	160
Forceps, adenoid	230-231
“ advancement	176
“ anastomosis intestinal	273
“ angiotribe	74

	Page
Forceps, artery	74-81
“ axis traction	334-335
“ bladder	307
“ blood transfusion	37
“ bone cutting	107-109
“ “ gouging	109, 196-197
“ “ holding	110-111
“ bronchoscopic	266, 269
“ bullet	125
“ capsular	176
“ chalazion	177
“ cilia	178
“ cover glass	42-43
“ cranial rongeurs	109
“ craniotomy, obstetric	337
“ dental	247
“ dissecting	3
“ dressing, ear	190
“ “ eye	178
“ “ nasal	204, 206
“ “ spring	84-85
“ “ uterine	328-329
“ ear	190
“ elevating, kidney	278
“ “ uterine	321
“ entropium	177
“ enucleation	177
“ epilating	178
“ esophagoscopy	269
“ eye	176-179
“ fixation	178
“ gall bladder	277-278
“ gastro-enterostomy	274-276
“ haemostatic	74-81
“ “ nasal	206
“ “ tonsil	255
“ hysterectomy	325-326
“ intestinal	274-276
“ iris	179
“ kidney	278
“ laminectomy	000
“ laryngeal	265
“ lid	177
“ lithotomy	307
“ lobe, prostatic	298
“ marginal tissue	83
“ mastoid	196-197
“ microscopic	42-43
“ morcellation	000
“ mosquito	75
“ nasal	204-208
“ needle pulling	127
“ nephrectomy	278
“ obstetric	333-335
“ parametrium	326
“ pedicle	326
“ phimosis	285
“ pile	283-284
“ placenta	339
“ polypus, nasal	204-206
“ post nasal	230-231
“ prostatic	298
“ pylorus	274-276
“ rectal	284
“ rongeur	109, 196-197
“ septal ridge	221
“ septum compression	204
“ “ cutting	221
“ “ straightening	220
“ sequestrum	110-111
“ shot compression	140, 330
“ slide holding, microscopic	42-43
“ sphenoidal	206, 209
“ splinter	85
“ sponge holding	88-89, 231, 315
“ staphylorrhaphy	245-246
“ sterilizer	87
“ stomach	274-276
“ strabismus	179
“ suture	141
“ tenaculum, uterine	322
“ tendon	179
“ thumb, dressing	84-85, 87
“ tissue	82-85, 245, 320
“ “ uterine	320
“ toe nail	111
“ tongue	67, 245

STANDARD SURGICAL INSTRUMENTS

	Page
Forceps, tonsil seizing	253-255
" tooth extracting	247
" towel	86
" tracheal	267
" trachoma	179
" tumor	324
" urethral	307
" uterine dressing	314-315
" " elevating	321
" " polypus	324
" " tissue	320
" vulsellum	323
" wire twisting	330
" wound clip	140-142
Fordyce's adapters	30
" salvarsan needle	31
Ford's stethoscope	11
Foreign body hooks, eye	175
" " instrument, ear	189
" " " esophageal	266
Forgrave's mouth gag	249
Forks, tuning	186
Forlanini's pneumo-thorax needle	158
Fornier's syringe	21
Forwood's mallots	195
" retractors	94
Foster-Ballenger's nasal speculum	146
" " septum punch	221
Fountain syringes	366
Fowler's dilating sounds	292
" ear douche	192
" infusion apparatus, etc.	34
" infusion canulae	35
" iodoform boxes	160
" pessaries	331
" trocar, infusion	146
Fowler-Otis' sounds, in set	293
Fox's acne lancet	244
" corelysis hook	175
" " spatula	175
" cystotomes	174-175
" dermal curette	244
" enucleation scissors	180-181
" eye canulae	182
" " shield	184
" " speculum	171
" fixation forceps	178
Fracture box	381
" shoulder brace	379
Fraenkel's antrum canulae	225
" head bands	239
" " mirrors	240
" laryngeal applicators	264
" " cutting forceps, tips	266
" " syringe	24
" nasal speculum	201
" tongue depressor	248
Francis' capsular forceps	176
" chalazion forceps	177
Frazier's bone extension apparatus	114
" retractors	97
Freer's chisel, nasal	210
" dissectors, nasal	217
" frontal sinus curette	223
" gouge, nasal	210
" nasal hooks	219
" " retractors	219
" pillar separator, tonsil	251
" septum forceps	221
" " knives	219
" tonsil knives	256
Freer-Jackson's transilluminator	243
French's adenoid forceps	230-231
" head bands	239
" mouth breathing apparatus	386
" mouth gag	249
French bougies	294
" catheters	301
" trusses	391
Freyer's supra-pubic drainage tubes	309
Friedrich's rib raspatories	116
Fritsch's retractors	96
Frontal sinus canulae	225
" " chisels	223
" " curettes	223
" " illuminators	242-243
" " protector	224

	Page
Frontal sinus rasps	224
" sounds	224
Fry's nasal cutting forceps	208
Fuchs' capsular forceps	176
Funnels, glass	48-49
Furniture, office	352-356
" hospital	359
Furuncle knives	191
G	
Gags, mouth	61, 249-250
Galezowski's scleratome	173
" secondary knife	173
Gall bladder forceps	277-278
" " scoops	277
" " trocars	146, 277
" duct probes	277
Gallaher's antrum rasp	224
" " trocar	222
Galt's trephine	122
Galton's whistles	186
Galvanic batteries	346
Gant's pile clamp	283
" rectal forceps	284
" " specula	282
Garrigue's laryngeal forceps	265
" uterine packing forceps	314
" vaginal specula	312
Gas oxygen apparatus	65
" bracket	238
" stove for actual cautery	148
Gastro-enterostomy buttons	273
" " forceps	274-276
" " needles	135
Gastrosopic instruments	268-270
Gauze bandages	164
" dressing	163-164
" packers, urethral	289
" " uterine	313
Gebauer's ethyl chloride	66
Geiger's cautery cords	347
" electro-operative bone set	124
Gelpi's perineal retractor	97
Gelpi-Doyen's perineal retractor	327
General operating sets	157
Gerster's turnbuckle	113
Gerster-Lowman's bone holding clamps	112
Gerzog-Reiner's nasal speculum	202
Gibson's eye irrigator	184
Gifford's fixation forceps	178
Gigli's saws	118
Girdner's prepuce dilator	285
Glasgow's uterine douche	320
Glass box, for needles	362
" rod	49
" tubing	49
" urinals	364
Glasses, medicine	364
Glassware, laboratory	48-49
Gleason's head band	239
Gloves, rubber, surgeon's	164
Gluck's rib shears	108
Goelet's retractors	94
" tenaculum forceps	322
" uterine curettes	316
Goldsmith's cut-off	290
Goldstein's nasal elevators	219
" " speculum	214
" " placenta curettes	338
" " uterine	317
Good's chisel	223
" drainage tube	223
" frontal sinus protector	224
" " " rasp	224
" " " sound	224
" nasal speculum	214
" septum file	219
" sphenoid rasp	224
" tonsil haemostat	252
" " scissors	259
Goodell's uterine dilators	318
Goodwin's vein director	37
Gorget, lithotomy	307
Gorham's bone extension apparatus	114
Gosman's rust preventive	160
Gossert's retractors	98
Gottstein's adenoid curettes	229

STANDARD SURGICAL INSTRUMENTS

	Page		Page
Gouges, bone	3, 101, 193	H	
Gouges, eye	174-175	Haemacytometers	50
" mastoid	193	Haematokrit	52
" nasal	210	Haemoglobinometers	51
" post mortem	3	Haemorrhoidal clamps	283
Gouley's filiform bougies	292	" needles	31
" meatotome	297	Haemostatic forceps	74-81
" stone searcher	306	" " cranial	123
" tunnel catheters	302	" " nasal	206
" " sounds	292	" " tonsil	255
" urethral dilator	295	" needles	136
Gower's haemoglobinometers	51	Haemostats, tonsil	252
Gowns, contagious disease	166	Hagedorn's needles	130
" nurses'	165	Hajek's mallet	102
" surgeons'	165	" mastoid chisel and gouge	193
Gracey's needle holder	127	" " mallet	195
Graduates, laboratory	48-49, 364	" nasal elevators	216-219
Gradwohl's tourniquet	126	" " gouge	210
Graefe's cataract knives	172-173	" " hook	210
" cystotomes	173	Hale's obstetric forceps	334
" eye scoops	174-175	" vaginal speculum	312
" eye speculum	171	Hall's nasal saws	211
" iris forceps	179	Halle's frontal sinus curette	223
" " knives	172-173	Halstead's haemostatic forceps	75
" fixation forceps	178	" mosquito forceps	75
" foreign body hook	175	" silver foil	160
" knife and spud	175	Hamilton's bone drill	105
" lens retractor	174-175	" bullet probes	125
" scarifier	173	" tongue depressor	248
" strabismus hooks	174-175	Hamilton-Collin's splints	381
Graeser's salvarsan needles	31	Hammers, percussion	9
Grave's vaginal specula	312	Handles, electro-cautery	347
Green's iodoform box	160	" electrolysis	349
" mastoid curettes	194	" for Gigli's saws	118
" placenta curettes	338	" universal, for forceps	191, 266
" uterine	316	Hank's trachelorraphy scissors	328
Green-Martin's mouth gag	249	" uterine dilators	318
Green-Sewall's " "	250	Hardy's mastoid curettes	194
Greenberg's cysto-urethroscopes	305	Hare lip instruments	245-246
Greene's cataract knife	172-173	Harmon's fixation forceps	178
" fixation forceps	178	Harmon-Smith's paraffin, sterile	25
" hearing horn	200	" " " syringe	25
" spatula and probe, eye	174-175	Harris' tonsil dissector and knife	251
Griffin's ethmoid chisel	223	Harrison's bougies, whip end	294
" " curette	223	Hartmann's antrum canulae	225
" tonsil scissors	259	" ear forceps	190
Gross' bullet forceps	125	" eustachian catheters	185
" ear spoons and hook	189	" furuncle knife	191
" polypus forceps, nasal	204	" mastoid rongeurs	196
" spiral catheter	302	" nasal cutting forceps	208
" urethratomes	297	" " dressing forceps	204
Grosvenor's placenta forceps	339	" " specula	202
Gruber's ear specula	188	" raspatory	198
Gruening's drainage tube	199	" tonsil punches	257
Gruenwald's ethmoid punch	209	" tuning forks	186
" frontal sinus canulae	225	Hartmann-Citelli's ear forceps	190
" nasal forceps	207-208	Hartmann-Herzfeld's " "	190
" " scissors	212	Harvey's uterine dressing forceps	315
" sphenoid sinus canulae	225	Hasbrook's infusion connection	35
Gruenwald-Hartmann's nasal forceps	207	Haskin's suction apparatus	226
Gruenwald-Kuemmell's nasal forceps	208	Haslam's bristle probangs	266
Gruenwald-Struycken's nasal forceps	208	" ear forceps	190
Guards, mastoid	198	" head bands	239
Guides, catheter	300	" mastoid chisels and gouges	193
Guillotines, tonsil	262-263	" phimosis forceps	285
Guitera's perineal trocar	146	" placenta forceps	339
" prostatic retractor	299	" projecting ear appliance	386
" " tearing forceps	298	" tongue forceps	67
" rectal douche	280	" sponge holding forceps	89
Gum knife	245	" stirrups	360
" lancets	71, 149	" tongue depressor	248
" scissors	246	" tracheatomes	267
Gut, silk worm	144	" turnbuckle	113
Guthrie's fixation hook	174-175	" vaginal speculum	312
Gutsch's bone chisels and gouges	101	" vulsellum forceps	323
Gutta percha tissue	164	Hawe's clavicle splints	384
Guyon's bougies a boule	294	Hawley's bone holding clamp	112
" catheter guide	300	Hayden's ear knife	191
" drop tubes, deep urethral	289	Hayes' iris knife	172-173
" exploring bougies	294	Hays' electrolysis needles	349
" urethral drop syringe	26	Hazard's tourniquet	126
" vessel clamp	278	Hazeltine's elevators	219
Gwathmey's inhaler	62-63	Head bands	239
" mouth hooks	62	" covers, operating	166
Gwathmey-Ferguson's mouth gag	61	Headlights	241
Gwathmey-Yankauer's inhaler	63	Head mirrors	240
Gynaecic needles	131-133	" rest	379

INDEX

STANDARD SURGICAL INSTRUMENTS

	Page
Hearing devices.....	200
" horns.....	200
Heath's mastoid knife.....	198
" suture scissors.....	330
Hebra's chalazion curette.....	174-175
" dermal curette.....	244
Heffernan's nasal specula.....	201
Hegar's needle holders.....	126
Hegar-Mayo needle holders.....	126
" uterine dilators.....	318
Hennig's ear set.....	191
Henrotin's vulsellum forceps.....	323
Henry's cilia forceps.....	178
" scrotal clamp.....	308
Hernia directors.....	99
" knives.....	72, 149
" needles, injection.....	31
" " ligating.....	132
Herzfeld's ear forceps.....	190
" eustachian catheters.....	185
" nasal scissors.....	212
Hesse's pleximeter.....	10
Hewitt's ear douche.....	192
Hey's skull saw.....	117
Heymann's nasal forceps.....	205
" " scissors.....	212
Higbie's vaginal specula.....	312
Higgin's axis traction forceps.....	334
" obstetric dilator.....	333
Hill's tonsil snare.....	261
Himley's eye needles, suture.....	173
Hind's uvula retractor.....	250
Hirst's placenta forceps.....	338
Hodge's obstetric forceps.....	334
" pessaries.....	331
Hodgen's suspension splint.....	381
Hoeve's cranial haemostat.....	123
Hoffman's laboratory clamps.....	45
" pessaries.....	331
" rongeur forceps.....	109
Hofstetter's colostomy pouch.....	285
" supra-pubic drainage appli- ance.....	309
Holders, catheter, glass.....	300
" for haemastatic forceps.....	81
" for knives.....	73
" for test tubes.....	55
" leg.....	167
Holmes' nasal douche.....	232
" " saw.....	211
" " scissors.....	208, 212
" naso-pharyngoscope.....	242
Hood's headlight.....	241
" trusses.....	391
Hooks, axis traction.....	333
" calvarian.....	4
" corelysis.....	175
" counter pressure.....	330
" dissecting.....	4
" ear.....	189, 191
" eye.....	174-175
" ligature.....	245
" nasal.....	210, 219
" obstetric.....	337
" placenta.....	338
" rectal.....	284
" strabismus.....	174-175
" tonsil.....	252
" tracheal.....	267
Hooper's adenoid forceps.....	231
Hopkins' rongeurs.....	109
Horns, hearing.....	200
Horse hair ligatures.....	143-145
Horsley's bone cutting forceps.....	107
" " wax.....	145
" " vein staff.....	37
Horton's tonsil needles, injection.....	24
Hosiery, elastic.....	387-388
Hosmer's ear spout.....	192
Hospital furniture.....	359
Hot water bottles.....	366
Hotz's advancement forceps.....	176
" " hook.....	191
" " probe.....	189
Houze's tongue forceps.....	67
Hovel's drainage tube.....	225
Howe's tonsil haemostat.....	255

	Page
Hudson's rongeurs.....	109
" cerebellar attachment.....	121
" cranial drill.....	121
" elevators.....	122
Humane restraint appliances.....	369
Hunt's chalazion forceps.....	177
Hupp's trachea retractor.....	267
Hurd's nasal dissector.....	217
" " speculum.....	214
" septal ridge forceps.....	221
" tonsil dissector and retractor.....	251
Husk's mastoid rongeur.....	196
Husson's sponge holder.....	315
Hutchinson's hip joint apparatus.....	377
Hyperemia suction appliances.....	56
Hypodermic needles.....	30-31
" syringes.....	17-21
Hysterectomy forceps.....	325-326
" knives.....	327

I

Ice bags.....	199, 366
" " mastoid.....	199
Ideal sounds, dilating.....	292
Incubator, infant.....	341
" laboratory.....	47
Infant incubator.....	341
Infusion apparatus, saline.....	34-35-36
" needles and tubes, saline.....	35
" thermometer.....	35
Ingall's nasal speculum.....	202
" septum knife.....	210
Ingersoll's adenoid curette.....	227
Inhalers, nasal.....	185, 232
" anaesthesia.....	62-64
" " masks.....	63-64
Injection syringes, penis.....	27-29, 290
Ink polygraph.....	10
Instep supports, arch.....	373
Instrument cabinets.....	354, 356
" rolls.....	168
" trays.....	363
Insufflators, powder.....	232
Intestinal clamps.....	274-276
" drainage tubes.....	158
" forceps.....	82-83, 274-276
" needles.....	130, 133-135, 137
" tissue and marginal forceps.....	83
Intravenous needles, injection.....	30-31
Introducer for vitreous spheres.....	184
" for stem pessaries.....	331
Intubation sets.....	271
Invalid rolling chairs.....	368
Iodine sponge forceps.....	87
Iodoform boxes.....	160
Iridectomy knives.....	172-173
Iris forceps.....	179
" hooks.....	174-175
" knives.....	172-173
" needles.....	173
" probes.....	174-175
" scissors.....	180-181
" spatulae.....	174-175
Irons, actual cautery.....	148
Irrigating curettes, uterine.....	317
" specula, vaginal.....	314
" tubes, abdominal.....	159
Irrigator cut-offs.....	361
" tips or nozzles.....	289-291, 361
" stands.....	355
Irrigators, enameled and glass.....	361
" eye.....	184
" glass.....	361
" rectal.....	280
" urethral.....	289-291
Isaac's operating table.....	353
Ivan's head band.....	239
" laryngeal applicators.....	189, 203, 264
" pharyngeal.....	203
Ivory pegs for bone work.....	120

J

Jaboulay-Lumiere's anastomosis buttons.....	273
Jackson's acne lancet.....	244
" aspirator, bronchoscopic.....	269

STANDARD SURGICAL INSTRUMENTS

	Page
Jackson's bronchoscopes and accessor-	
ies.....	268-269
bronchoscopic forceps.....	266, 269
hook.....	269
cataract knife.....	172-173
comedone expressor.....	244
cotton carrier.....	269
esophagoscopic tubes.....	268-269
gastrosopes.....	269
laryngeal cutting forceps.....	266, 269
specula.....	268-269
nasal scissors.....	212
probe, bronchoscopic.....	269
tissue forceps.....	82
trachea tubes.....	267
tongue depressor.....	248
tonsil slitte.....	252
vaginal retractors.....	327
Jackson-Kyle's bronchoscope.....	269
Jacob's hysterectomy forceps.....	326
vusellum forceps.....	323
Jaeger's keratomes.....	172-173
lid plate.....	171
James' bone holding forceps.....	110
Janet's urethral nozzle.....	289
Janet-Frank's bladder syringes.....	28
Jansen's mallet.....	102
mastoid curettes.....	189
retractor.....	199
rongeur.....	197
nasal dressing forceps.....	204
raspatory, bone.....	198
Jansen-Middleton's septum forceps.....	221
Jars, dressing.....	362
mouse.....	45
solution.....	203
specimen.....	48-49
staining.....	48-49
Jarvis' nasal snare.....	213
speculum.....	201
pile clamp.....	283
septum forceps.....	221
Jefferson's head band.....	239
knives.....	69
pocket case.....	155
Jeffrey's chain saw.....	117
Jeger-Elsberg's blood transfusion canulae.....	37
Jelly, lubricating.....	164
Jenk's perineal scissors.....	328
uterine sound.....	316
Jenning's mouth gags.....	61, 250
uterine douche.....	320
Jewell's stills, laboratory.....	47
Jewett's axis traction forceps.....	334
dilating sounds.....	292
Jobse's bandage rollers.....	160
Johnson's urethral retrojector.....	291
Johnston's laryngeal speculum.....	268-269
Jones' haemostatic forceps.....	78
pile clamp.....	283
splints.....	382-383
towel forceps.....	86
Jurascz's adenoid forceps.....	231
antrum trocar.....	222
Jutte's duodenal tube.....	272
Jury mast.....	381

K

Kaliski's transfusion needle.....	31
Kalteyer's cover glass forceps.....	42-43
otoscope, electric.....	187
Kanavel's duodenal tube.....	272
Kangaroo tendons.....	143
Kashimura's thoracic trocar.....	146
Kathi's adenoid forceps.....	231
Kaufman's arsphenamine outfit.....	33
Luer's syringe.....	33
Kean's irrigator cut-off.....	290
tonsil forceps.....	253
Keith's abdominal needles.....	133
Kehler's stethoscope.....	13
Kelly's artery forceps.....	76
calibrator.....	308
cervix knife.....	327
dressing forceps, spring.....	84
endoscopes.....	286
gauze packer.....	313

Kelly's gynaecic needles.....	Page
haemostatic forceps.....	133
infusion apparatus.....	76
intestinal needles.....	34
leg holders.....	133
operating cushion.....	167
packer.....	360
pelvic abscess drainage.....	277
placenta forceps.....	158
proctoscopes.....	339
rectal applicator.....	281
curette.....	284
forceps.....	284
sponge holder.....	284
retractors, abdominal.....	96
searcher.....	308
sounds.....	293
sponge forceps.....	89, 315
sphincter dilator.....	280
tissue forceps.....	84, 308, 320
trachelorrhaphy needles.....	133
ureteral catheter.....	308
urethral applicator.....	308
curette.....	308
dilator.....	308
forceps.....	307
sounds.....	293
uterine syringe.....	316
tenaculum.....	322
vaginal fistula knife.....	327
scissors.....	329
retractors.....	327
Kelly-Bozeman's uterine douche.....	320
Kelly-Gargean's endoscope.....	286
Kelly-Miller's needle holder.....	127
Kelly-Pean's haemostatic forceps.....	81
Kelly-Sims' vaginal retractors.....	327
Kelsey's pile clamp.....	283
rectal specula.....	282
Kemp's rectal douche.....	280
Kenavel's frontal sinus curette.....	223
Keratomes.....	172-173
Kerrison's mastoid rongeurs.....	197
Keyes' dermal punch.....	244
varicocele needles.....	138
Keyes-Ultzmann's urethral syringes.....	26
Keystone faradic batteries.....	346
glavanic batteries.....	346
Kidney forceps.....	278
needles.....	133
Kieffer's urethral nozzles.....	289
Killian's antrum canulae.....	225
trocars.....	222
exostosis knife.....	210
frontal sinus curette.....	223
laryngeal cutting forceps.....	266
nasal hook.....	219
needles.....	225
specula.....	214
septum dissector and elevator.....	217
forceps.....	204
Killian-Hubbard's laryngeal curette.....	265
Kimpton-Brown's blood transfusion ap-	
paratus.....	38
King's scrotal clamp.....	308
Kirkbride's microscopic slide forceps.....	42-43
Kirkpatrick's tonsil scissors.....	259
Kirstein's adenoid curettes.....	229
Klein's obstetric slippers.....	341
Klotz's endoscopes.....	286
Knapp's capsular forceps.....	176
cataract knife.....	172-173
cystotome.....	173
drainage tube.....	199
entropium forceps.....	177
eye needle holders.....	181
scoops.....	174-175
intestinal clamp.....	274
knife needles.....	173
Lachrymal scissors.....	181
Trachoma forceps.....	179
Knee caps.....	376, 388
splints.....	376
Knife holders.....	73
Knight's nasal forceps.....	204-205
scissors.....	212
Knives, abscess.....	73

INDEX

STANDARD SURGICAL INSTRUMENTS

	Page		Page
Knives, amputating	73	Lambotte's bone holding forceps	110
" brain	3	" " screws	120
" canalicula	172-173	Lamb's wool	164
" cartilage	2	Lamps, alcohol	49, 148
" cataract	172-173	" electro-therapeutic	346
" cautery	348	" " laryngoscopic	242
" cervix	327	Lancets, abscess	73
" dissecting	2	" acne	244
" ear	191	" blood	52-53
" embryotomy	338	" spring	57
" enucleation	172-173	" vaccinating	73
" ethmoidal	223	Landau's ligature needle	138
" exostosis	210	Landolt's keratome	172-173
" eye	172-173	" strabismus forceps	179
" gum	245	Lane's bone drill	105
" hysterectomy	327	" " forceps	111
" iridectomy	172-173	" " screws	120
" iris	172-173	" " extension instruments	119
" laryngeal	265	" cleft palate needles	134, 137
" lid	172-173	" gastro-enterostomy clamps	274
" mastoid	198	" needles	134
" meatus	297	" perosteal elevators	115
" microscopic	43	" screw driver	119
" minor operating	68-72	" towel forceps	86
" mucosa	219	" wrench	119
" nasal	210, 220	" bone plate holding forceps	119
" operating	68-72	Lange's ethmoid punch	209
" paring	245	" retractors	94
" plaster bandage	161	Langenbeck's hook	245
" pocket case	149	" metacarpel saw	117
" post mortem	2	" needle holder	127
" prostatic	298	" needle, ligature	138
" scarifying, uterine	327	" raspatories	116
" secondary	173	Langstaff's uterine curettes	316
" septum	210, 219	" " douche	320
" sphenoid	223	Laryngeal applicators	264
" staphylorrhaphy	245	" curettes	265
" swivel	210	" forceps	265-266
" tonsil	256	" instruments	231-242, 264-270
" trachelorrhaphy	327	" knives	265
" turbinate	210, 220	" mirrors	240
" uterine	327	" snares	265
" vaginal fistula	327	" specula	268-270
Knox's phimosis forceps	285	" syringes	24, 264
Kocher's artery forceps	78	Laryngoscopes, electrically lighted	242, 268-270
" director	99	Laryngoscopic instruments	268-270
" intestinal forceps	274	" set	240
" stomach clamp	274	Lawrence's strabismometer	171
" supra-pubic retractor	308	Layman's tongue depressor	248
Koch's flasks	48-49	Lead coil, mastoid	183
" urethroscopes	287	" mallets	102, 195
Koenig's suture needles	133	Leather bags	342-343
Kollmann's urethral dilators	296	Leavitt's obstetric dilator	333
Kollmann-Morton's urethral dilators	295	" metallic splints	385
Kraemer's ear specula	188	" " forceps	335
Krause's antrum trocar	222	" placenta curette	338
" ear snare	192	Lee's knife, triangular	43
" laryngeal curettes	265	Lee's splints	385
" " punches	266	LeFort's catheters	302
" " snare	265	" dilating sounds	292-293
" nasal snare	213	" filiform bougies	292
Kuhnt's eye gouge	175	" sounds	293
" lid forceps	177	LeFort-Hume's sounds in set	293
Kuttner's lithotrite	306	Leg holders	167, 360
Kyle's crypt knife	256	" " lithotomy crutches	167
" nasal applicators	203	Leiter's cooling coil	199
" saw	211	" lead coil, mastoid	183
" septum knife	210	Leitz's microscopes	39
" splints	215	Leland's tonsil knives	256
" straightening forceps	220	Lenox-Brown's air bags	185
" tongue depressor	248	Lenses, condensing	170
L		Lens retractors	174-175
Laboratory apparatus	45-47	" scoops	174-175
" aprons	166	Lente's metacarpel saw	117
" glassware	48-49	Lentz's screw driver	119
Labord's tracheal dilator	267	Leonard's hysterectomy forceps	326
Lachrymal canulae and styles	182	" placenta forceps	339
" dilators	182	" uterine douches	320
" sac retractors	171	" " dressing forceps	315
" scissors	181	Lerche's tonsil forceps	254
" syringes	23	Lermoyez's nasal cutting forceps	208
Laerm apparatus	185	Levis' bone extension apparatus	114
LaForce's adenotomes	229	" prepuce dilator	285
" haemostatic tonsil guillotine	262	Levy's blood counting chamber	50
Lambert's chalazion forceps	177	Lewis' eye scoop	174-175
Lambert-Lowman's bone clamps	112	" scrotal clamp	308
		" tonsil screw	252

STANDARD SURGICAL INSTRUMENTS

	Page
Lewis' tonsil snare	261
“ urethral forceps	307
“ “ tablet depositor	289
Lewisohn's blood transfusion apparatus	38
Lewkowitz's lithotomy forceps	307
Leyva's splints	383
Lichtenberg's keratome	173
Lid forceps	177
“ knives	172-173
“ plates	171
“ retractors	170
Liebreich's iris forceps	179
Ligature boxes and jars	128, 362
“ carriers	140
“ hooks	24
“ needles	138-139
“ reels, glass	144
“ scissors	330
Ligatures	143-145
Light condensers	238
Limbs, artificial	380
Lilienthal's rib spreader	108
Lindeman's transfusion canulae	31
Linen thread	143
Lingual tonsilatomies	263
Linn's pile clamp	283
Linnartz's gastro-enterostomy clamps	275
Lister's bandage scissors	161
“ bone spicula holding forceps	111
Liston's bone cutting forceps	107
Liston-Isaac's bone cutting forceps	107
Liston-Mayo's bone cutting forceps	107
Lithotomy crutch, leg holder	167
“ director	307
“ evacuators	306
“ forceps	307
“ instruments	306-308
“ knives	71
“ scoops	307
“ staff's	307
Lithotrites	306
Litmus paper	55
“ pencils	55
Littauer's knives	69
“ stitch scissors	141, 330
Little's lithotomy director	307
“ “ scoop	307
“ “ staff	307
“ pocket case	154
“ splinter forceps	85
“ stone searcher	306
Liver needles	134
Lobe forceps, prostatic	298
Lombard's rongeur forceps	109
“ mastoid forceps	197
London's arch supporters	373
“ tissue forceps	85
“ bunion apparatus	373
Longyear's uterine dressing forceps	324
Loomis' placenta forceps	339
Loopuyt's abdominal needles	134
Loring's ophthalmoscopes	170
Loth's iodine sponge forceps	87
Lothrop's tonsil knives	256
Loupes, magnifying	170
Lower's kidney elevating forceps	278
“ trocar	146
“ vessel clamp	278
Lowman's bone clamps	112
Lublin'ski's nasal speculum	201
Lubricating jelly	164
Luc's nasal forceps	206
Lucae's ear douche	192
“ forceps	190
“ “ perforator	191
“ mastoid rongeur	197
Ludlam's uterine elevator	316
Luer's adapters for syringe needles	30
“ bone curettes	103
“ “ rongeurs	109
“ hysterectomy forceps	326
“ knives	69-71
“ lachrymal syringes	23
“ laryngeal forceps	265
“ syringes, all styles	17-24
“ trachea retractors	267
“ “ tubes	267

	Page
Luer's tonsil syringe	24
Lumbar puncture needles	25
Lumbard's air way, anaesthetic	62
Lumbard-Yankauer's inhaler	63
Lusk's axis traction forceps	335
" cephalotribe	336
Lutz's septal ridge forceps	221
Luy's urine segregator	308
Lynah's bronchoscopes	270
" laryngoscopes	270
" esophagoscopes	270
" tracheascopes	270
Lynch's proctoscopes	281
" tonsil dissector	251
" " forceps	253
Lyon's duodenal tubes	272

M

MacCuen-Smith's tonsil suture needles	258
MacLay's tonsil scissors	259
Magnusson's bone clamp	112
Maier's polypus forceps	324
Maisonneuve's urethrotome	297
Male catheters, metal	302
Malecot's catheters	300
Mallets	3, 102, 195
Mallet's leg holders	167
Manley's blood pipette	53
Marginal tissue forceps	82-83
Markley's prostatic tractor	299
Markoe's lithotomy staff	307
Martel's cranial elevator	122
" trephine attachment	124
Martin's bone plates	120
" comedone extractor	244
" nasal snare	213
" pelvimeter	340
" rectal douche	280
" tenaculum forceps	322
" tonsil dissector	251
" uterine applicator	313
" " curettes	316
" " needles	135
" " sound	316
" vaginal retractor	327
Masks, cataract	184
" chloroform and ether	63-64
Mass. Gen. hospital elevator	115
" " " vulsellum forceps	323
Masseurs, ear	185
" prostatic	299
Masson's supra pubic retractor	308
Mastoid burrs	193
" bone gouging forceps	196
" chisels and gouges	193
" cooling coil	199
" curettes	194-195
" elevators	198
" ice bag	199
" instruments	193-199
" retractors	199
" sundries	199
Matas' maxillary splint	381
Matthew's pile clamp	283
Mathieu's bone forceps	111
" capsular forceps	176
" needle holders	127
" pereosteal elevators	116
" pile clamp	283
" rectal fistulatome	284
" rib shears	108
" tongue forceps	67
" tonsilotomes	263
" tracheal forceps	267
" urethral forceps	307
Maunoir's strabismus scissors	181
Mayer's septum splints	215
Mayo's bone cutting forceps	107
" " plates	120
" " screws	120
" dissecting scissors	92-93
" gall bladder scoops	277
" head covers	166
" instrument rack	353
" linen thread	143
" needles	135, 137
" scissors	92-93

STANDARD SURGICAL INSTRUMENTS

	Page		Page
Mayo's probe, gall duct	99	Mixer's haemostatic forceps	77
" prostatic drainage	298	" scissors	93
" retractors	98	Mohr's burettes and pipettes	48-49
" tissue forceps	84	" clamps, laboratory	45
" vein strippers	100	Moleskin plaster, adhesive	164
" vessel clamp	278	Monona sterilizer set	358
Mayo-Allen's prostatic knife	298	Monosmith's excentration knife	172-173
Mayo-Boldt's appendix tucker	100, 277	" eye speculum	171
Mayo-Collin's retractor	98	" nasal speculum	201
Mayo-Collin-Simpson's retractor	98	Monoyer's cataract knife	172-173
Mayo-Hegar's needle holders	126	Moore's blood lancet	52-53
Mayo-Kelly's tucker and packer	100, 277	" gall stone scoop	277
Mayo-Robson's gall bladder scoops	277	Moraweck's tonsil forceps	254
Mayo-Robson's intestinal forceps	275	Morgan's mallet	3, 102, 195
Mayo-Robson's needles, suture	135	" mastoid curettes	195
Mayo-Simpson's retractor	98	" stirrups	360
Mayo-Richter's needle holder	128	Morton's ophthalmoscopes	170
McAuliff's adenoid forceps	230, 231	" spinal corset	378
" nasal saw	211	Morton-Kollmann's urethral dilators	295
McBurney's needle holder	127	Mosher's nasal speculum	214
McCallum's post mortem knife	2	" sinus curette	211
McClintock's axis traction bar	333	Mosquito forceps	75
McCoy's septum forceps	221	Mouse jar	45
" " knives	219	Mouth breathing appliance	386
McDade's placenta curettes	338	" gags	61, 249-250
" uterine gauze packer	313	" hooks, anaesthesia	62
McEwen's bone chisels and gouges	101	Moynihan's drainage tubes	158
McGowan's urethrosopes	287	" gall duct probe	277
McGuire's rib spreader	108	" gastro-enterostomy clamp	275
McGurn's salvarsan apparatus	33	" needles, intestinal	135
McIntosh's pessaries and supporters	331	" stomach clamps	275
McKenzie's ink polygraph	10	" towel forceps	86
" laryngeal forceps	265	Mozingo's empyema outfit	158
" light condenser	238	Muck's tonsil suction apparatus	259
" tonsilotomes	263	Mucosa knives	219
McKenzie-Quinlan's tonsilotomes	263	Mueller's lachrymal sac retractor	171
McKernon's mastoid curettes	194	" nasal scissors	212
" septum splints	215	Muir's laryngeal syringe	264
McLain's pile clamp	283	Mule's eye spheres	184
McLean's obstetric forceps	335	" suture forceps	179
McRae's blood needle	53	Muncaster's nasal speculum	201
McReynold's needle holder	258	Munde's placenta curettes	338
McWhinnie's dissector and spoon	251	" " forceps	339
Measures, tape	14	Mundus dilator, obstetric	333
Measuring jars for salvarsan	33	Murdoch's eye speculum	171
" rod	14	" mouth gag	250
Meatotomes, urethral	71, 297	Murphy's anastomosis buttons	273
Meatus knives	71, 297	" bone drill	105
Mechanical stage	39	" " skid	119
Medicine cases	344	" button forceps	273
" glasses	364	" headlight	241
Medulla reamers	105	" infusion drop tube	35
Meierhof's tonsil curettes	251	" medulla reamers	105
Meig's craniotomy forceps	337	" nasal speculum	214
Menge's pessaries	331	" needle holders	127
Meniere's adenoid forceps	231	" needles, suture	135-136
Mercer's sphygmomanometer	8	" proctoclysis apparatus	34
Mercier's catheters	301	" proctoscopes	281
Metacarpel saws	117	" retractor guide, bone	105
Metallic splints, Lee's	385	Murphy-Pean's haemostatic forceps	77
Metzenbaum's nasal speculum	214	Murphy-Saxon's infusion apparatus	34
" septum knives	219	Murphy-Magnusson's infusion apparatus	34
" tonsil scissors	259	Murray's (Milne) obstetric forceps	335
Meyer's ring pessaries	332	" pile clamp	283
Meyerhof's tonsil curettes	251	" rectal scissors, dissecting	284
Meyerhoeffer's chalazion curettes	174-175	" septum knife	219
Mial's septal ridge forceps	221	" splints	383
Michel's suture instruments	141, 258	Musehold's nasal forceps	204
" tonsil applicators and removers	258	Myles' antrum canulae	225
" wound clips	141	" " chisel	222
" wound clip sets	141	" " curettes	222
Microscopes	39	" " trocar	222
Microscopic instruments and accessories	39-44	" drainage tubes	225
Mickulicz's haemostatic forceps	77	" lingual tonsilotome	263
" tonsil haemostat	255	" nasal forceps and punches	207-208
Mickulicz-Friedrich's rib spreader	108	" " specula	201
Mickulicz-Stoerck's tonsil haemostat	252	" tonsil punches	257
Micro-membranous stethoscope	13		
Miller's vaginal speculum	312		
Millet-Tyding's tonsil dissector	251		
Miliano's compression suspensory	392		
Milne-Murray's axis traction forceps	335		
Mirrors, head	239		
" laryngeal	240		
" retinoscopic	170		
Mirror handles, universal	240		
Mitchell's urethral applicator	289		

STANDARD SURGICAL INSTRUMENTS

Nasal drainage tubes	Page 222
" dressing forceps	204
" feeding tubes	272
" hooks	210, 219
" inhalers	232
" instruments	201-242
" knives	210, 220
" needles	225
" probes	203
" punches	205-209
" rasps	224
" retractors	219
" saws	211
" scissors	208, 212
" snares	213
" specula	201-202, 214
" splints	215
" sundries	232
" syringes	27, 232
" tampons	164, 215
Nebulizers	233-234
Needle box, glass	362
" cases	128
" holders, cleft palate	246
" " electrolysis	349
" " eye	181
" " microscopic	139
" " general operating	126-128
" sterilizers	128
" pulling forceps	127
Needles, abdominal suture	129-135, 138-139
" aneurism	71, 99
" antitoxin injection	30-31
" arterial, suture	131, 137
" aspirator	30
" bone	246
" cataract	173
" cervical	131-133, 136-139
" cleft palate	134
" dissecting	4
" electrolysis	349
" eye, suture	173
" fistula	130-132
" gastro-enterostomy	135
" gynaecic	131-133
" haemorrhoidal injection	31
" haemostatic	136
" hernia injection	31
" " ligature	132, 136
" hypodermic	30-31
" infusion, saline	35
" intestinal	130, 133-135, 137
" iris	173
" kidney	133
" ligature	134, 138-139
" liver	134
" lumbar puncture, injection	25
" microscopic	43
" nasal	225
" paracentesis	172-173
" pedicle	137
" perineal	138-139
" pneumo-thorax	158
" post mortem	4, 137
" rectal injection	284
" salvarsan	30-31
" spinal anaesthesia	25
" staphylorrhaphy	136
" suture	129-139, 173
" tattooing	175
" tonsil injection	24
" trachelorrhaphy	133, 135
" transfusion	31
" uterine	132, 135
" varicocele	138
Nelaton's bullet probe	125
" soft rubber catheters	300
Nephrectomy forceps	278
Newman's tenaculum forceps	322
" trachelorrhaphy knife	327
Nichol's spoke shave	210
Niemayer's percussor	9
Nitze's cystoscope	304
Noble's scissors	91
Nott's double current catheters	302
" uterine dilator	318
" vaginal specula	312
Novy's cover glass forceps	Page 42-43
Noyes' canalicula knives	172-173
" ear forceps	190
" entropium forceps	177
" eye speculum	171
" fixation forceps	178
" nasal dressing forceps	207
" trachoma forceps	179
Noyes-Stilling's canalicula knife	172-173
Nozzles, irrigating	289-291, 361
Nurses' caps	166
" cases	155-157
" gowns	165
O	
Oberlaender's dilators	295
Obstetric aids	341
" colpeurynters	333
" dilators	333
" forceps	333-335
" hooks	337
" instruments	333-340
" sundries	340
" sutures	145
" perforators	337
Ochsner's gall bladder trocars	146, 277
" duct probe	277
" haemostatic forceps	80, 325
" inhalers	64
Ocular transilluminator	170
O'Dwyer's intubation sets	271
Oesophageal instruments, (see Esophageal)	
Office furniture	352-356
" sterilizers	357
O'Hara's intestinal clamps	275
Oiled silk, dressing	164
Ollier's raspatories	116
O'Neil's rectal speculum	282
Onidi paraffin syringe	25
Operating aprons	166
" cases	157
" caps	166
" cushions	360
" gowns	165-166
" knives	68-72
" scissors	90-93
" shoes	166
Ophthalmoscopes	170
Oral instruments	245-250
" screw	61, 250
Orthopedic apparatus	372-379
Osteological preparations	58
Ostrom's antrum punch	209
Otis' endoscopes	286
" bougies	292-293
" catheter guide	300
" dilating sounds	292
" meatus knife	297
" stone searcher	306
" urethrometer	295
" urethratomes	297
Otis-Wyeth's urethratomes	297
Otoscope	187
Otto's tissue forceps	85
Outerbridge's uterine dilators	318, 330
Ovarian trocars	147
P	
Packers, abdominal	277
" ear	189
" gauze, urethral	289
" " uterine	313
Pad, bottle holding	343
" umbilical	392
Pagenstecher's yarn	143
Paine's nasal feeding tubes	272
Palefski's duodenal tubes	272
Palmer's uterine dilators	318-319
" vaginal speculum	312
Pana's eye speculum	171
Pancoast's urethral nozzle	289
Pans, bed and douche	364
Paquelin's thermo cautery	148
Paracentesis needles	172-173
Paraffin, sterile	25
" syringes	25
Parametrium clamps	326

INDEX

STANDARD SURGICAL INSTRUMENTS

	Page		Page
Parham and Martin's bone clamps.	113	Pneumatic air goods.	367
Paring knife.	245	Pneumo-thorax apparatus.	158
Parker's catheters.	302	Pocket cases, instrument.	150-155
" retractors.	94	" case knives.	148
" saw.	117	Politzer's acoumeter.	185
Parker-Syms' prostatic tractor.	299	" air bags.	185
Pattee's urethral nozzle.	289	" ear forceps.	190
Patton's nasal speculum.	214	" ear perforator.	191
Paul's drainage tubes.	158	" mastoid curettes.	195
Payr's intestinal forceps.	275	" tips for air bags.	185
" pylorus clamps.	276	Polk's hysterectomy forceps.	326
Pean's haemostatic forceps.	79, 81	" sponge holding forceps.	88, 315
" hysterectomy forceps.	325	Policlinic cut-off.	235
" ligature needle.	138	Polygraph, ink.	10
" ovarian trocar.	147	Polypus forceps, ear.	190
Peck's lachrymal dilator.	182	" nasal.	204-206
Pedicle forceps.	326	" uterine.	324
" needles.	137	Pomeroy's ear forceps.	190
Pelvimeters.	340	" iodine inhaler.	185
Pelvis, bone.	58	Pond's tonsil hook.	252
Pencils, caustic, eye.	183	Poole's abdominal irrigator.	159
" dermatograph.	244	" suction tubes.	159
Penis clamps.	289	" urethral stop cock.	289
" conjestors.	56	Pope's antrum drill.	222
" syringes.	27-29, 290	Post mortem aprons.	166
Percussors.	9	" cases.	6
Pereosteal elevators.	115	" gowns.	165
Pereosteotomes.	115, 198, 246	" instruments.	2-6
Perforated shot.	140	" knives.	2
Perforators, ear.	191	" needles.	4
" obstetric.	337	" reamers.	4
Perineal needles.	138-139	Post nasal applicators.	203
" retractors.	97, 327	" instruments.	227-231
" scissors.	328	Post's toe nail forceps.	111
" sutures.	145	Potain's aspirators.	22
" trocars.	146	" aspirator needles.	30
Pessaries.	331-332	" trocars.	147
Petri dishes.	48-49	Pott's leg splint.	384
Pezzer's catheters.	300	Pouches, colostomy.	285
Pharyngeal applicators.	203	Pozzi's tenaculum forceps.	322
Pharyngoscope, electric.	242	Pratt's dilating sounds.	292
Phillip's catheters.	301	" rectal dilators.	280
" cotton reservoirs.	203	" forceps.	284
Phimosis forceps.	285	" hook.	284
Physicians' bags and medicine cases.	342-344	" specula.	281-282
" scales.	14	" scissors.	284
" office suits.	165	" splints.	381
Pierce's antrum trocar.	222	" urethral retrojector.	291
" gauze packer.	189	" speculum.	286
" mastoid rongeur.	197	Pratt-Smith's intestinal tissue forceps.	83
" nasal dissector.	217	Prepuce dilators.	285
" tongue depressor.	248	Prince's adenoid forceps.	231
" tonsil hook.	252	" advancement forceps.	176
" knives.	256	" eye needles, suture.	173
Piffard's cilia forceps.	178	" pipette.	184
" comedone extractor.	244	" scoop.	174-175
" dermal curette.	244	" lachrymal canula.	182
" meatus knife.	297	" pterygium hook.	174-175
Pile clamps.	283	" tonsil scissors.	259
" pipes.	280	" trachoma forceps.	179
Pillar retractors, tonsil.	251	Probangs.	266
" separators, tonsil.	251	Probes bronchoscopic.	269
Pilling's cautery handles.	347	" bullet.	125
" sphygmomanometers.	8	" dissecting.	4
" stethoscope.	13	" ear.	185, 189
" stretcher.	370	" eye.	174, 175, 182
" vaginal retractors.	327	" gall duct.	277
Pinneo's chloroform dropper.	60	" general operating.	99
Pipes, pile.	280	" nasal.	203
Pipettes, blood.	50	" rectal.	284
" eye.	184	" sphenoidal.	223
" laboratory.	48-49	" uterine.	316
" urine analysis.	54-55	Proctoclysis apparatus.	34-35
Pitchers.	363	Proctoscopes.	281
Pitkin-Gelpi's perineal retractor.	97	Projecting ear apparatus.	386
Placenta curettes.	338	Prolapsus pessaries.	331
" forceps.	339	Prostatic instruments.	297-299
Plaster, adhesive.	164	" coolers.	297
" bandage knives.	161	" depressor.	298
" saws.	162	" drainage tubes.	298
" shears.	162	" enucleator.	298
Plaster Paris bandages.	164	" forceps.	298
Plates, bone.	120	" masseur.	299
" lead, suture.	246	" retractors.	299
" lid.	171	" staffs.	298
" suture, glass.	144	" tractors.	299
Pleximeters.	10	Protectors, frontal sinus.	224

STANDARD SURGICAL INSTRUMENTS

	Page		Page
Protectors, mirror	240	Reservoirs, cotton	183, 203
Prout's entropium forceps	177	Rests, back	367
Providence hospital haemostatic forceps	79	" head	379
Pryor's hysterectomy forceps	326	Restraint apparatus, humane	369
" tumor forceps	324	Retinoscopes	170
" uterine dilator	319	Retractors, abdominal	94-98
" " tractor	321	" bladder	308
" " knife	327	" brain	123
" vaginal retractor	327	" eye	170-175
Pryor-Pean's vaginal retractor	327	" lachrymal sac	171
Psychrophor	302	" mastoid	199
Pterygium hooks	174-175	" nasal	219
" scissors	181	" perineal	327
Pulaski pessary introducer	331	" prostatic	299
" stethoscopes	13	" supra-pubic	308
Pumps, breast and cupping	57	" tonsil	252
" suction and pressure	235-238, 352	" tracheal	267
Punch for Carrell's infusion apparatus	36	" uvula	250
Punches, antrum	209	" vaginal	327
" dermal	244	" vein	123
" ethmoid and sphenoid	209	Retrojectors	291
" nasal	207-209, 220-221	Reverdin's needles	139
" septum	220	Reynold's axis traction hooks	333
" subglottis	266	" placenta curettes	338
" tonsil	257	Rheinstetter's uterine curettes	317
Purcell's pereosteotome	217	Rhodes' tonsil punch	257
Pylorus clamps	276	Rib shears	108
Pynchon's head bands	239	" spreaders	108
" headlight	241	Richard's mastoid curettes	195
" inhaler	185	" tonsil forceps	254
" laryngeal applicators	264	Richardson's bowel replacer	277
" nasal forceps	205	" retractors	94
" " speculum	202	" sphygmograph	10
" otoscope	187	Richter's bone drill	106
" tonsil forceps	254	" eye needle holders	181
Pynchon-Andrew's tongue depressor	248	" general needle holders	128
Pynchon-Goddard's tonsil syringe	24	" uterine dilator	319
Q		" wound clip forceps	140-142
Quincke's spinal anaesthesia needle	25	" " set	142
Quinlan's adenoid forceps	231	Ricord's phimosis forceps	285
Quire's foreign body ear instrument	189	Ring's cataract masks	184
R		Rings for holding forceps	81
Rachiotome	3	Ring pessaries	332
Racks, test tube	55	Risley's lachrymal syringe	23
Randall's mastoid chisels and gouges	193	Robb's leg holders	167
Raspatories, mastoid	198	Robbin's ointment applicator	289
" pereosteal	115-116, 198	Robert's tonsil punches	257
Rasps, antrum	224	" trephine	122
" frontal sinus	224	Robertson's antrum trocar	222
" sphenoid	224	" nasal saw	211
" nasal	224	" pessary introducer	331
Ray's nasal specula	201	" tonsil forceps	254
Razors, section	40	" " knives	256
" skin grafting	40	" " scissors	259
Reade-Jennison's uterine douche	320	Robinson-Brauer's trocar	146, 158
Reagent bottles	48-49	Rochester needle holders	127
Reagents, microscopic	41	" " pulling forceps	127
Reamer, antrum	222	Rochester-Carmalt's haemostatic forceps	80, 325
" post mortem	4	Rochester-Carmalt's hysterectomy forceps	325
Recamier's uterine curettes	316	Rochester-Ochsner's haemostatic forceps	80, 325
Record lachrymal syringe	23	Rochester-Pean's haemostatic forceps	81, 325
" laryngeal syringe	24	Rochester-Pean's hysterectomy forceps	325
" syringes	20, 23-36	Rochester-Hegar's needle holders	126
" tonsil syringe	24	Rod, glass	49
Rectal bougies	280	" measuring	14
" coolers	297	Roe's retractor	250
" dilators	280	" septum straightening forceps	220
" douches	280	Roger's nasal dissector	217
" injection needle	284	Rollers, bandage	160
" instruments	281-285, 297	Rolling chairs, invalid	368
" irrigators	280	Rolls, instrument	168
" probe	284	Rongeurs, bone	109
" scissors	284	" mastoid	196-197
" specula	281-282	Roosevelt's stomach clamp	276
" tubes	280	Rose's trachea retractor	267
Rector's frontal sinus curette	223	Rothrock's uterine dressing forceps	315
Redintol burn dressing	164	Roubaix's suture forceps	141
" cotton	164	" tissue forceps	85
Reels, ligature, glass	144	Roux's regulators, laboratory	45
Reese's advancement forceps	176	" retractors, abdominal	96
Reeves' stretcher	370	Royce's adenotomes	229
Rehfuss' duodenal tubes	272	" ear knives	191
Reichert's regulator, laboratory	45	" tonsil seizing forceps	253
Reiner's bow saw	117	" " haemostat, dressing forceps	253
Reliquet's lithotrite	306	Rualt's adenoid forceps	230-231
		" tonsil punches	257
		Rubber aprons	166

INDEX

STANDARD SURGICAL INSTRUMENTS

	Page
Rubber, bulbs, cautery	148
“ drainage tubes	159
“ gloves	164
“ goods for invalids	365-366
“ sheeting	367
“ urinals	365
Rucker's urethral gauze packer	289
Russian tissue forceps	85
Rust preventif	160
Rust's trachoma forceps	179

S

Saalfeld's acne lancet	244
“ comedone extractor	244
Saccharometers	54-55
Saenger's placenta forceps	339
Safety valve float	238
Sajou's nasal snare	213
“ septum punch	220
Saline infusion apparatus	34-35
Salpingeal curettes	189
Salvarsan cylinders	33
“ apparatus	32-33
“ needles	30-31
“ measuring jars	33
Sampson's urethral speculum	286
Sander's inhaler mask	64
Sanford's nasal anaesthesia tubes	62
Sargent's cranial haemostat	123
Sass' tongue depressor	248
Satterlee's bone cutting forceps	107
“ saw	117
Sauerbruck's rib spreader	108
Saugmann's pneumo-thorax apparatus	158
Saws, amputating	117
“ antrum	222
“ chain	117
“ electric	124
“ metacarpal	117
“ nasal	211
“ plaster bandage	162
“ post mortem	4
“ skull	117
“ wire	118
Sawtell's tonsil haemostatic forceps	255
Sawyer's obstetric forceps	335
“ tongue depressor	248
Sayre's elevators, pericostal	115
“ jury mast	381
“ raspatories	116
“ suspension apparatus	381
Scales, physicians'	14, 340
“ baby	14, 340
“ haemoglobin	51
Scalpels, dissecting	2
“ eye	172-173
“ general operating	68-72
“ lithotomy	71, 297
“ pocket case	149
Scarificators, spring	57
Scarifiers, eye	173
“ staphylorrhaphy	246
“ uterine	327
Schamberg's comedone extractor	244
Schaeffer's nasal curette	211
Schaefer's wire saw carrier	118
Schede's bone curettes	103
Scheinemann's subglottis punch	266
Schimmelbusch's inhaler	64
Schmidt's tonsil splitter	252
Schmidt-Rimpler's canalicula knife	172-173
“ eye scoop	175
Schnetter's placenta forceps	339
Schmidt's tonsil haemostatic forceps	255
Schmithuisen's ethmoid-sphenoid punch	209
Schoenberg's intestinal tissue forceps	83
“ uterine elevating forceps	321
Schreiber's salvarsan needles	31
Schroeder's tenaculum forceps	322
“ uterine dressing forceps	315
“ vulsellum forceps	323
Schroetter's head band	239
Schultz's retractor	94
“ spoke shave	210
Schultze's embryotomy knife	338
Schwartz's mastoid chisels and gouges	193
Schweigger's capsular forceps	176

Schweigger's cataract knife	173
“ eye bath	183
“ fixation forceps	178
Scissors, abdominal	92-93
“ bandage	161-162
“ dissecting	4
“ eye	180-181
“ gum	246
“ microscopic	44
“ nasal	208, 212
“ operating	90-93
“ post mortem	4
“ perineal	328
“ plaster bandage	162
“ rectal	284
“ strabismus	180-181
“ suture removing	141, 330
“ tenotomy	180-181
“ tonsil	259
“ trachelorrhaphy	328
“ turbinate	208, 212
“ umbilical	340
“ uterine	328-329
“ uvula	250
“ wire cutting	246
Scleratomes	173
Scoops, bone	103-104
“ ear	189, 194-195
“ eye	174-175
“ gall bladder	277
“ lens	174-175
“ lithotomy	307
“ mastoid	194-195
“ rectal	284
Screw drivers	119
Screws, bone	120
“ oral	61, 250
Scrotal clamps	308
“ compressors	392
Scudder's bone skid	119
“ intestinal forceps	276
“ stomach clamps	276
Sea tangle tents	319
Searchers, stone	306
“ ureteral	308
Section lifters	44
“ razor, microscopic	40
Sedillot's raspatory	116
Sedimentation glasses	54-55
Seekers, dissecting	4
Seeley's pile pipe	280
Segond's tumor forceps	324
Segregator, urine	308
Seiler's electro-cautery handle	347
“ nasal scissors	212
Self retaining catheters	300
Senn's bullet forceps	125
“ tourniquet	126
Separators, tonsil pillar	251
Septal ridge forceps	221
Septum cutting forceps	221
“ compression forceps	204
“ file	219
“ knives	210, 219
“ punches	220-221
“ shave	210
“ splints	215
“ straightening forceps	220
Seseman's bunion apparatus	373
Sets, ear instruments	191
“ general operating	157
“ intubation	271
“ urethral sounds	293
“ wound clip	141-142
Seutin's plaster bandage shear	162
Sexton's ear curettes	189
“ knife	191
Shades, eye	184
Shaffer's knee splint	376
Shallcross' nasal haemostat	206
Sharp's arterial needles	137
Shears, bandage	161-162
“ bone	108
“ rib	108
Sheppard's stethoscope	11
Sherk's elevating forceps	278, 321
Sherman's bone plates	120

STANDARD SURGICAL INSTRUMENTS

	Page		Page
Sherman's bone screws.....	120	Snares, wire for.....	213, 261
" screw driver.....	119	Snellen's entropium forceps.....	177
Shert's tourniquet.....	126	Snoften's stethoscope.....	11
Shields circumcision.....	285	Snowden's tongue depressor.....	248
" eye.....	184	Solution, cups, cocaine.....	203
" for all metal syringes.....	27	" jars.....	362
" with nipple, cleft palate.....	246	Soft rubber catheters.....	300
Shoemaker's rib shears.....	108	Somer's uterine elevating forceps.....	321
Shoes, extension.....	373	Sorensen's air compressors, tankless.....	237
" operating surgeons'.....	166	" automatic cut-off.....	235
Shot adjuster.....	330	" suction apparatus.....	237
" compressor.....	140, 330	" "Just It" outfit.....	352
" perforated.....	140	Sounds, frontal sinus.....	224
Shoulder braces.....	378-379	" urethral.....	292
Sichel's iris knife.....	173	" uterine.....	316
Sick room supplies.....	364	Southey's anasarca trocars.....	146
Siegel's otoscope.....	187	Spatulae, brain.....	122
Silk, ligature.....	143-145	" eye.....	174-175
" oiled, dressing.....	164	Specula, ear.....	187-188
Silkworm gut.....	144-145	" esophageal.....	268-270
Silver foil.....	160	" eye.....	171
" wire.....	119, 144	" laryngeal.....	268-270
Simon's bone curettes.....	104	" mouth.....	246
" uterine curettes.....	317	" nasal.....	201-202, 214
Simplex spirometer.....	14	" oesophageal.....	268-270
Simpson's cranioclast.....	336	" rectal.....	281-282
" intra-nasal tampons.....	164, 215	" urethral.....	286
" obstetric forceps.....	335	" vaginal.....	312
" " perforator.....	337	Speir's ear curette.....	189
" uterine sound.....	316	Spiess' punch, antrum.....	209
Simrock's otoscope.....	187	Spencer's chalazion forceps.....	177
Sims' cervical needles.....	136-137	" microscopes.....	39
" counter pressure hook.....	330	Spencer-Wells' pedicle forceps.....	326
" rectal specula.....	282	Spheres, vitreous.....	184
" uterine curettes.....	317	Spherical pessaries.....	332
" " probes.....	316	Sphenoid canulae.....	223
" " scissors.....	329	" knife.....	223
" " sounds.....	316	" rasp.....	224
" " tenacula.....	322	" probe.....	223
" vaginal retractor.....	327	" punches.....	209
" " specula.....	312	Sphygmographs.....	10
" wire adjuster.....	330	Sphygmomanometers.....	7-8
Skeel's chalazion curette.....	174-175	Spikes, bone.....	120
Skeletons.....	58	Spinal anaesthesia syringes.....	25
Skene's cervical needles.....	136	" columns, bone.....	58
" cystocele pessaries.....	332	" corsets.....	378
" tenaculum forceps.....	322	Spirometer.....	14
" urethral speculum.....	286	Spit cups.....	364
" uterine curettes.....	317	Splints, fracture.....	376, 381-385
" " scissors.....	329	" septum.....	215
" uterine tissue forceps.....	320	Splinter forceps.....	85
" vulsellum forceps.....	323	Splitter, tonsil.....	252
Skene-Goodman's self retaining catheter.....	302	Spoke shave.....	210
Skids, bone.....	119	Sponge holding forceps.....	87-89, 255, 315
Skillern's phimosis forceps.....	285	" " tonsil.....	255
Skull saw.....	117	" " uterine.....	315
Skulls.....	58	" holders, rectal.....	284
Slide boxes, microscopic.....	40	" probangs.....	266
" holding forceps, microscopic.....	42-43	" tents.....	319
Slides, microscopic.....	40	Spoon, abdominal.....	100
Slitter, tonsil.....	252	Spoons, dermal.....	244
Sloane's tonsil snare.....	261	" ear.....	189
Sluder's adenotomes.....	229	" eye.....	174-175
" tonsil guillotines.....	262	" gall stone.....	277
" turbinate knife.....	210	Spouts, ear.....	192
Sluder-Arrowsmith's tonsil guillotine.....	262	Sprague's ice bag.....	199
Sluder-Ballenger's tonsil guillotine.....	262	" set, ear instruments.....	191
Sluder-Richter's tonsil guillotine.....	263	Spratt's dissector, nasal.....	217
Smellie's perforator.....	337	" mastoid curettes.....	195
Smith's capsular forceps.....	176	Spuds, eye.....	174-175
" fracture apparatus.....	379	Squibb's urea apparatus.....	54-55
" marginal tenaculum forceps.....	83	Stacke's chisels and gouges.....	193
" penis clamp.....	289	Stacke's mastoid guard.....	198
" pessaries.....	332	" " elevator.....	198
" pile clamp.....	283	" " knife.....	198
" suture scissors.....	330	Staffs, lithotomy.....	307
" (MacCuen) tonsil dissector.....	251	" prostatic.....	298
" " " snare.....	261	" vein anastomosis.....	37
" urethroscope.....	286	Stains, microscopic.....	41
Smith-Green's lid retractor.....	174-175	Staphylorraphy instruments.....	246-247
" " pressure hook.....	174-175	" needles, suture.....	136
" " spatula, double.....	174-175	Starkey's chalazion forceps.....	177
Smith's (Major) eye speculum.....	171	Starlinger's uterine dilator.....	319
Snares, ear.....	192	Staude's tenaculum forceps.....	322
" laryngeal.....	265	Staude-Moore's tenaculum forceps.....	322
" nasal.....	213	Stauffer's elevator.....	217
" tonsil.....	260-261	St. Clair Thomson's adenotome.....	229

STANDARD SURGICAL INSTRUMENTS

	Page
Steele's septum punch	220
Stein's septum knife	219
Stein-O-Lite therapeutic lamps	346
Steiner's aeroizer	238
" current controller	243, 350
" suction apparatus	238
Steinmann's bone extension apparatus	114
Stellwagon's dermal curette	244
Stem pessaries and introducers	330-331
Stender dishes	48-49
Sterilized sutures and ligatures	145
Sterilizer forceps	87
" for needles	128
" office	357, 362
Sterling's ear appliance	386
Sterling-Lopez's obstetric straps	341
Stetho-Clares	200
Stethoscopes	11-13
Stevens' eye needle holder	181
" fixation forceps	178
" stitch scissors, eye	180-181
" traction hook	174-175
" tendon forceps	179
" tenotomy scissors	180-181
Stevenson's adenotome	229
" eye needle holder	181
Stewart's cover glass forceps	42-43
Stille's bone drill	106
" gall stone forceps	278
" plaster bandage shears	162
" sponge forceps	231
" rib shears	108
" tissue forceps	85
" vessel clamp	278
Stille-Sherman's bone drill	106
Stills, laboratory	47
Stirrups	360
Stitch scissors	141, 330
Stomach clamps and forceps	274-276
" evacuators	272
" tubes	272
Stone searchers	306
Stopcocks	30, 47, 289
Strabismometer	171
Strabismus forceps	179
" hooks	174-175
" scissors	180-181
Straight jackets	369
Street's tonsil syringe	24
Stretchers	370
Strippers, vein	100
Stroschein's eye drop bottles	183
Struck's pleximeter	10
Struycken's laryngeal punch	266
" nasal cutting forceps	207-208
Stubb's adenoid curettes	229
" mouth gags	250
Stucky's eustachian burr	193
Studdiford's retractor	96
Styles, lachrymal	182
Subglottis punches	266
Submucous elevators and dissectors	216-219
Sub-Q syringes	17
Suction apparatus	226, 236-238, 259, 352
" tonsil	259
" tubes, abdominal	159
Sullivan's antrum illuminator	243
" frontal sinus rasp	224
Sundry appliances	386
Sundries, ear	183
" mastoid	199
" nasal	232
" obstetric	340
" rubber goods	367
" sick room	364
" surgical	360
Supporters, abdominal	389
" ankle	374
" arch	373
" umbilical	388-389
" instep, arch	373
Supports, laboratory	45
Supra-pubic drainage appliances	309
" retractors	308
Surgeons' gowns	165
" needles	129-139

	Page
Surgical dressings	163-164
" sundries	360
Suspension apparatus	381
Suspensory bandages	392
Suture clips and accessories	140-142, 258
" forceps, eye	179
" needles	129-139, 173
" plates, glass	144
" scissors	141, 180, 181, 330
Sutures	143-145
Swan's tonsil forceps	254
" knives	256
Swedish knives	68, 71
Swift's hypodermic needle holder	30
Swinburne's prostatic masseur	299
" urethroscopes	287
Swivel knives	210
Syringe adapters and connections	30-31
" tips	27
Syringes, antitoxin	17-21
" antrum	226
" aspirating	22
" bismuth	28
" bladder	28
" ear	27, 29, 192
" fountain	366
" general injection	28-29
" hypodermic	17-21
" lachrymal	23
" laryngeal	24, 264
" miscellaneous	17-29
" nasal	27, 232
" paraffin	25
" record	20, 23-26
" spinal anaesthesia	25
" tonsil	24
" tuberculin	20-21
" ulcer	192
" urethral	26, 290
" uterine	27, 316
Szymanowsky's bone gouges	101

T

Tables, bedside	367
" operating, office	355
" dressing	354
Tablet depositor, urethral	289
Tag-Roesch's sphygmomanometer	7
Tait's gall stone forceps	278
" haemostatic forceps	79
Talley's uterine douches	320
" vaginal specula	312
Tallquist's haemoglobin scale	51
Tampons, nasal	164, 215
" wool	164
Tankless air compressors	236-238, 352
Tanks, air	235
Tape measures	14
" umbilical	164
Tarnier's axis traction forceps	335
" basiotribes	336
" cephalotribes	336
Tattooing needles, eye	175
Taylor's eye style	182
" percussor	9
" uterine elevating forceps	321
" vaginal speculum	312
Teale's gorget	307
Teevan's lithotomy forceps	307
Tenacula, dissecting	2
" operating	63, 71
" pocket case	149
" uterine	322
Tenaculum forceps, marginal	83
" uterine	322
Tendon forceps	179
" hooks	174-175
" tuckers	171
Tennant's anastomosis forceps	273
Tenotomes, operating	68, 72
" pocket case	149
Tenotomy scissors, eye	180-181
Terson's capsular forceps	176
Test drum for eye knives	184
" tubes	49, 54-55
Teufel's sport suspensories	392
Theobold's eye probes	182

STANDARD SURGICAL INSTRUMENTS

	Page		Page
Therapeutic lamps, electric	346	Tonsillectomes	260-263
Thermo cauteries and accessories	148	Tooth extracting forceps	247
Thermometer cases	16	Tortat-Ricord's phimosi forceps	285
Thermometers, chemical	48-49	Tourniquets	126
" clinical	15-16	Towel forceps	86
" incubator	48-49	Towels, aseptic	164
" saline infusion	35	Toynbee's diagnostic tubes	185
Thermostat	47	Toynbee's ear specula	188
Thomas' bed rest	382	" tympanum, artificial	200
" canalicula knife	173	Trachea tubes	267
" craniotomy forceps	337	" dilators	267
" drainage tubes	159	" instruments	267-270
" (Lynn) stomach clamp	276	Tracheascopes	268-270
" hip splint	377	Tracheatomies	267
" obstetric perforator	337	Trachelorraphy knives	327
" pessaries	331-332	" needles	133-135
" splints	377, 382	" scissors	328
" supra-pubic retractor	308	Trachoma forceps	179
" toe drop brace	382	Traction apparatus, bone	113-114
" uterine curettes	317	" hooks, obstetric	333
" " dressing forceps	315	Tractors, prostatic	299
Thomas-Smith's pessaries	332	" uterine	321
Thompson's frontal sinus rasp	224	Transfixion pins	126
" lithotomy forceps	307	Transformers, cautery	348-349
" lithotrite	306	Transfusion apparatus, blood	38
" meatus knife	297	" canulae, blood	31, 36-38
" nasal scissors	212	Transilluminators	170, 242-243
" stone searchers	306	Traube's percussors	9
" urethral dilator	295	Trautmann's raspatory	198
Thompson-Von Colditz's elevator	219	Trays, instrument	363
Thomson's (St. Clair) adenotome	229	Trephines corneal	182
Thoracic trocars	146	" cranial	122
Thorington's retinoscopes	170	Tripod for suspension apparatus	381
Thread, linen	143	" laboratory	46
Throat applicators	264	Trocars, anasarca	146
" forceps, (see Laryngeal forceps).		" antrum	222
" mirrors	240	" aspirating	147
Thudicum's nasal speculum	201	" exploring	146
Thumb dressing forceps	84	" gall bladder	146, 277
" lancets	73	" hydrocele	146
Tiemann's bullet forceps	125	" needles	25
" embryotomy forceps	339	" ovarian	147
" stethoscope	11	" perineal	146
Tilley's antrum burr	222	" pneumo-thorax	158
Tips, duodenal	272	" supra-pubic	146
" irrigator	291, 361	" vessical, rectal	147
" for Politzer air bags	185	Troeltsch's ear perforator	191
" " syringes	27	Trousseau's esophageal dilators	271
Tissue forceps	82-85, 245	" trachea dilator	267
" " marginal	83-84	Trusses, hernia	390-392
" " operating	82-85	Tuberculin syringes	20-21
" " uterine	245, 320	Tubes, anaesthesia	62
Tissue, gutta percha	164	" centrifuge	52-53
Tivnen's tonsil dissector	251	" conversation	200
" " forceps	255	" duodenal	272
" " haemostat	252	" diagnostic, ear	185
Tobold's laryngeal knives	265	" drainage	158-159, 225, 298, 309
" " syringe	24	" " supra-pubic	309
Todd's adenoid curettes	229	" fermentation	54-55
" eye gouge	175	" infusion, saline	35
" " irrigator	184	" intubation	271
" tendon tucker	171	" irrigating	159
" tonsil dissector	251	" nasal feeding	272
" " forceps	254	" rectal	280
Toe nail forceps	111	" suction	159
Tongue depressors	248	" stomach	272
" holding forceps	67, 245	" test	49, 54-55
" ties	99	" trachea	267
Tonsil bistouries	256	Tubing, glass	49
" curettes	251	" rubber drainage	159
" dissectors and enucleators	251	Tuckers, appendix	100, 277
" forceps	253-255	" tendon	171
" guillotines	262-263	Tuffier's rib spreader	108
" haemostats	252, 255	Tumor forceps	324
" hooks	252	" screw	324
" instruments	251-263	Tuning forks	186
" knives	256	Tungsten battery, lighting	243, 350
" needles, injection	25	Turbinate knives	210, 220
" " suture	258	Turbinotomes	212
" punches	257	Turnbuckles for bone holders	113
" retractors	252	Turner's silk	143
" scissors	259	Tuttle's proctoscope	281
" snares	260-261	" rectal forceps	284
" splitter	252	Tycos sphygmomanometer	7
" suction apparatus	259	Tyding's tonsil forceps	255
Tonsil suture instruments	258	Tyding's tonsil knives	256
" syringes	24	" " snare	260

STANDARD SURGICAL INSTRUMENTS

	Page
Tympanum, artificial	200
“ perforators	191
Tyrell's iris hooks	174-175
U	
Ulcer syringes	27-29, 192
Umbilical buttons and pads	392
“ clamps	340
“ dressing	163
“ scissors	340
“ supporters	389, 391, 392
“ tape	164
Undine eye dropper	183
Universal handle for nose and throat forceps	191, 209, 257, 258, 266, 296
“ handle for throat mirrors	240
Unna's comedone extractors	244
Updegraff's staphylorrhaphy hook	245
“ “ knife	245
“ “ needle	245
Urbantschitsch's celluloid bougies	185
Ureometers	54-55
Ureteral catheters	308-309
“ searcher, female	308
Urethral applicators	289, 308
“ bougies, exploring	292
“ calibrator	308
“ catheters	300-302, 308-309
“ compression clamps	289
“ curettes	308
“ dilators	292-296
“ drop tubes	289
“ endoscopes	286
“ forceps	307
“ instruments	285-309
“ irrigators	289-291
“ “ cut-offs for	290
“ “ nozzles “	289-291, 361
“ meatotomes	297
“ retrojectors	291
“ sounds	292-293
“ specula	286
“ stopcocks	289
“ syringes	26-29, 290
Urethrometer	295
Urethrotomes	297
Urethroscopes	286-288
Urinals	364-365
Urine segregator	308
“ test sets	54-55
Urinometers	54-55
U. S. A. bandage scissors	161
“ bow saw	117
“ bullet probes	125
“ chisels and gouges	101
“ retractors	94
“ stretcher	370
Uterine applicators	313
“ curettes	316-317
“ dilators	318-319
“ douches	320
“ dressing forceps	314-315
“ elevators	316
“ elevating forceps	321
“ knives	327
“ needles, suture	132-135
“ packers	313
“ polypus forceps	324
“ probes	316
“ repositors	316
“ scissors	328-329
“ sounds	316
“ suture instruments	330
“ syringes	27, 316
“ tenacula	322
“ tissue forceps	320
“ tractors	321
“ tumor screw	324
“ vulsellum forceps	323
Uvula retractors	250
“ scissors	250
V	
Vaccinating comb	73
“ lancets	73
Vaginal clamp	326
“ fistula knife	327

	Page
Vaginal fistula scissors	329
“ irrigator tips	361
“ retractors	327
“ specula	312
Vail's antrum saw	222
“ mastoid retractor	199
“ tonsil injection needles	24
Valentine's apron	166
“ cut-off	290
“ irrigators	291
“ “ tips	291, 361
Valle-Heath's nasal dressing forceps	206
Van Buren's sequestrum forceps	111
“ “ sounds	292, 293
Van Der Poel's rectal cooler	297
“ “ sterilizer forceps	87
Vaporizers	233-234
Varicocele needles	138
Vaughan's abscess knife	73
“ pocket cases	150
Vaughan-Douglass' uterine dressing for- ceps	315
Vectis	337
Vein dilator	37
“ director	37
“ retractor	123
“ staff, anastomosis	37
“ strippers	100
Velpeaux's bone cutting forceps	107
Vesical trocars	147
Vessel clamps, kidney	278
Vezien's abdominal scissors	93
Vial cases	344
Virchow's brain knife	3
“ cartilage knife	2
“ mallet	3
“ post mortem knives	2
Vogel's adenoid curette	229
Volkmann's bone curettes	104
“ retractors	95
Von Brun's chisels and gouges	3, 101
Von Eiselberg's cleft palate needle holder	246
Voorhee's colpeurynters	333
Vulsellum forceps	323
W	
Wagner's adenoid forceps	231
“ antrum punches	209
“ nasal douche	232
“ suture applicators, tonsil	258
Walcher's suture clip forceps	245
“ uterine dressing forceps	315
Waldau's eye scoop	174-175
Wales' rectal bougies	280
Walker's splints	381
“ supra-pubic retractors	308
Wall bracket, gas	238
Wallace's obstetric forceps	335
Walton's cataract needle	173
“ eye gouge	174-175
Wappler's current controller	243, 350
“ cautery transformer	349
Ward's placenta forceps	339
Wardlow's gall stone forceps	278
Warming plates, laboratory	46
Warner's nasal douche	232
Washburn's spinal apparatus	378
Waste reservoirs	203, 355
Watch glasses	48-49
Water bath, laboratory	46
“ bottles	366
“ sterilizers, office	357
“ suction pump	159
Wathen's uterine dilator	319
Watson's nasal scissors	208, 212
“ septum straightening forceps	220
“ supra-pubic retractor	308
“ tonsil forceps	255
“ “ snare	261
Watson-Cheyne's elevator	115
Wax, bone, sterile	145
Weber's canalicula knives	172-173
“ eye speculum	171
“ lachrymal dilator	182
Weber-Liel's eustachian catheters	185
Webster's axis traction forceps	335
“ infusion apparatus and tubes	35

STANDARD SURGICAL INSTRUMENTS

	Page
Wecker's instruments, (see DeWecker's).	
Week's eye speculum	171
Weiner's frontal sinus rasp	224
Weiss' sounds	293
Weisse's bullet forceps	125
Well's eye scoop	174-175
Wertheim's hysterectomy forceps and clamps	326
Wertheim-Cullen's pedicle forceps	326
Westcott's tendon scissors	181
Whalebone filiform bougies	185, 292
Wheeler's corneal curette	174-175
" " " and knife	175
" urethral nozzle	290
Wheelhouse's lithotomy staff	307
Whistles, ear	186
White's nasal chisel and gouge	210
" tonsil forceps	254
" uvula retractor	250
Whitehead's gum knife	245
" hoe knife	245
" mouth gags	250
" spiral needle	246
Whiting's mastoid chisels and gouges	193
" " curettes	195
" " rongeur	197
Whitmarsh-Douglass' pocket cases	154
Whittemore crutches	386
Wiener's prostatic cooler	297
Wight's plaster bandage shears	162
Wigmore's ear masseur	185
" urethral nozzle	290
Wilde's ear forceps	190
" " specula	188
Wilder's cystotome	173
" entropium forceps	177
" eye scoop	174-175
" lachrymal dilator	182
Williams' eye probes	182
" internal pelvimeter	340
" perforator, ear	191
Willis' axis traction forceps	335
Will's lachrymal syringe	23
Wilson's empyema drainage tubes	159
" cervical needles	139
" sponge forceps	315
Windle's tonsil scissors	259
Winkler's tonsil enucleator	251
Winter's placenta curette	338
Winternitz's psychrophor	302
Wire, aluminum bronze	144
" silver	119, 144
" snare	213, 261
" baskets, laboratory	46
" eye speculum	171
" saws	118
" saw carrier	118
" splints	384
" twisting forceps	245, 330
Wisconsin, office sterilizer set	358
Wishard's catheters	301
Wolfsohn's lumbar puncture needle	25
Wood's bone screws	120
" uterine scissors	329
" uvula scissors	250
Wood-Crile's needle holder	126
Wooden applicators	313
" splints	381
" tongue depressors	248
Woodruff's eye irrigator	184

Woodward's eye needles	Page 137
" uterine syringe	316
Wool, lamb's	164
" tampons	164
Worrall's head bands	239
Wound clips and accessories	140-142
Wrench for bone plates	119
Wright's dermal curettes	244
" hysterectomy forceps	326
" nasal snare	213
" tonsil snare	261
Wyeth's transfixion pin	126
Wylie's pedicle needles	137
" stem pessaries	330
" trocar, ovarian	147
" uterine curettes	317
" " dilators	319
" " tenaculum forceps	322

x

X-ray catheters, ureteral.....	309
--------------------------------	-----

Y

Yankauer's	automatic cut-off	235
"	chloroform masks	64
"	cocaine cups	203
"	ear bougies and sounds	185
"	" cures, salpingeal	189
"	" probes	189
"	laryngeal medicator	264
"	naso-pharyngeal speculum	201
"	submucous elevator	217
"	" knife	218
"	" needles	219
"	suction and pressure apparatus	237
"	tonsil dissectors	251
"	" forceps	254
"	" scissors	259
"	wire loops for snares	213
Yarn, celluloid		143
Young's	hip splint	377
"	intestinal tissue forceps	83
"	intra-urethral instruments	288
"	lobe forceps	298
"	median bar excisor	288
"	ointment applicator	289
"	prostatic dissector	298
"	" drainage	298
"	" retractors	299
"	" staff	298
"	prostatic tractor	299
"	rectal dilators	280
"	tongue forceps	67
"	uterine elevating forceps	321
"	urethral irrigator	289
"	urethroscopes	288

Z.

Zaufal's mastoid rongeurs	197
Zepser's penis clamp	289
Ziegler's boric acid wash bottles	183
" cautery burners, eye	347
" cilia forceps	178
" entropium forceps	177
" eyelid retractors	170
" eye speculum	171
" lachrymal syringe	23
Zinc oxide adhesive plaster	164
Zirn's iris needle	173
Zwank's pessaries	332

